IBM Field Engineering

Pocket Reference Manual

IBM Field Engineering

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Pocket Reference Manual

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DRIVE UNIT/KEYPUNCH BASE MACHINES

PART NO.	DESCRIPTION
227755	WITH SPACE MAGNET 024 OLD STYLE
341053	WITH OUT SPACE MAGNET 024 NEW STYLE
340522	SELF CHECK 024-B MOD 10
350324	SELF CHECK 024-H MOD 11
227830	WITH SPACE MAGNET 026 OLD STYLE
341023	WITH OUT SPACE MAGNET 026 NEW STYLE
340524	SELF CHECK 026-B MOD 10
340734	WITH SPACE MAGNET PRINT CAM 026-G1
350326	SELF CHECK 026-H MOD-11
594115	INTERPET KEY PUNCH 026-21
345027	027
345028	028
5406263	WIRE CONTACT 029 MOD A
5372375	REED RELAY 029 MOD A WITH PRINT
5422241	REED RELAY 029 MOD A WITH OUT PRINT
5406264	WIRE CONTACT 029 MOD B
5373520	REED RELAY 029 MOD B
5404190	REED RELAY SELF CHECK 029
5367318	REED RELAY 029 MOD C
5406265	WIRE CONTACT 029 SELF CHECK
5406266	WIRE CONTACT 029 MOD C
345791	WITH SPACE MAGNET 046
345792	WITH SPACE MAGNET 047
345718	WITH OUT SPACE MAGNET WITH OUT NOTCH CAM NS 056
345719	WITH OUT NOTCH CAM WITH AUX VERIFIER NS 056
310782	WITH SPACE MAGNET WITH NOTCH DRIVE CAM 056
340531	065
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341053	534
361986	534 (108-858-870)
540529	536 (858-870)
269488	COM LOG NET/AUTO DIN 536-C
328865	WITH OUT PRINTER 634
328864	WITH PRINTER 636
340534	824
340533	826
316197	834/6
337177	1057 MOD 1
337158	1058 MOD 1 AND 2
5416698	1057/8 MOD 3 1080 DATA REQ SYST
269961	1912 MOD 24-25

NOTES

024
026

PART NO.	DESCRIPTION
BASE	
341310	WINDOW ASM PROG DRUM VINYL
313883	WINDOW ASM PROG DRUM WRINKLE
CARD FEED	
159774	BLOCK ASM ROLLER THROAT
153427	BLOCK CARBOLOY THROAT
265878	GUIDE ASM PRESSURE RAIL RIGHT
340559	KNIFE ASM
301288	PLATE ASM CARD FEED OPERATING ARM
227669	ROLL ASM RUBBER FEED
12954	SCREW CARD ALIGNING BAR
309593	SPACER OIL SEAL
227638	SPRING ASM 2 POINT LATCH OLD STYLE
309980	SPRING ASM CD FD LATCH CONTACT NEW STYLE 1 POINT
227650	SPRING ASM CD FD LATCH CONTACT OLD STYLE 2 POINT
125877	SPRING ASM NON OPERATING CD FD LATCH
310386	SPRING ASM OPERATING CD FD LATCH NEW STYLE 1 POINT
227638	SPRING ASM OPERATING CD FD LATCH OLD STYLE 2 POINT
227636	SPRING CARD FEED MAGAZINE
309572	STOP KNIFE CARRIER
CARD FEED CLUTCH	
227627	ARMATURE LATCH MAG
228094	COIL ASM MAGNET
228157	DOG CARD FEED CLUTCH
228153	KEEPER ARMATURE CARD FEED CLUTCH
228155	SHAFT ASM TRANSVERSE DRIVE
141015	SPRING DOG CARD FEED CLUTCH
141337	SUPPORT DOG SPRING
KEY	
219347	BAR ASM KEYBOARD UNIT 1ST LATCH
219229	BAR ASM KEYBOARD UNIT LATCH 2ND
219346	BAR ASM KEYBOARD UNIT LATCH 3RD
219202	BAR ASM KEYBOARD UNIT LATCH 4TH
610315	CONTACT CARD LEVER
219357	LATCH ASM BAIL COMB
219212	MAGNET ASM RESTORING
308620	PLATE ASM CONTACT LEFT
219319	PLATE ASM CONTACT RIGHT
219355	RING BASE NU KEYBOARD
228579	RING COMBINATION KEYBOARD BASE
205608	SPRING ASM BAIL UPPER CONTACT
219281	SPRING ASM LATCH CONTACT
204848	SPRING ASM LOWER BAIL CONTACTS
219262	SPRING BAIL STOP
219224	SPRING LATCH COMPRESSION R
219333	SPRING LATCH COMPRESSION FRONT
219203	SPRING STEM COMPRESSION
309749	SWITCH DPST
227523	SWITCH SPST TOGGLE
MOTOR AND MAIN BEARING	
228569	BEARING LH WORM GEAR SHAFT OLD
314160	BEARING RH WORM GEAR SHAFT OLD
310363	BELT-MOTOR TO GEAR CHAIN NEW STYLE
310364	BELT-MOTOR TO CLUTCH NEW STYLE
228131	BELT-REDUCTION DRIVE CLUTCH OLD STYLE
228132	BELT-REDUCTION DRIVE CLUTCH OLD STYLE
256348	LINE CORD
305268	MOTOR ASM 110 VOLT AC
312450	MOTOR ASM 230 VOLT AC
305267	RELAY MOTOR START 115 V
228126	SEAL WORM SHAFT OIL OLD
133959	SEAL WORM WHEEL SHAFT OIL OLD

PUNCH

313520	ARM 81 COL TRANS CONT OPER
24961	ARM ASM CB
308421	ARM ASM PUNCH OPERATING
313764	ARMATURE ESCAPE MAGNET
227776	ARMATURE INTERPOSER MAGNET
5447674	ARMATURE NS WITH REINFORCED TIP
328925	ARMATURE PUNCH CLUTCH
227825	ARMATURE STOP O/S
313759	BAIL ASM KNOCKOFF
340797	BAR PRESSURE ROLL TIE
156364	BEARING ESCAPE SHAFT
156364	BEARING PRINT
227743	BLADE ASM SENSING
275411	BM CLUTCH MOUNTING STUDS
228110	BREAKER ASM CIRCUIT PU SHAFT
309632	CAM 056 NO 5 CIRCUIT BREAKER
345284	CAM ASM-AUX EJECT PLATE MTG
313521	CAM PROGRAM
345155	CARD GUIDE ASM DETAIL STATION
340637	CHASSIS TUBE 024
310889	CHASSIS TUBE 026
310391	CLUTCH ASM FRICTION
345285	CLUTCH ASM HI SPEED ASM 40V
345290	CLUTCH ASM HI SPEED ASM 90V
228094	COIL ASM
227626	COIL ASM INTERPOSER ALL POS 024
228567	COIL ASM INTRP 1 THRU 9 026
227626	COIL ASM INTERPOSER 12 11 0 SPACE 026
309747	COLLAR PUNCH CLUTCH
24938	CONTACT CB ADJ
314097	CONTACT SCREW ADJ SLOTTED
340772	DETENT-EJECT STOP STACKER
227909	DRUM ASM PROGRAM
275691	FLEX SHAFT B/M 024-029 NOW PRINT
275692	FLEX SHAFT B/M 026-029 PRINT
121970	FOLLOWER PIN OPER CAM
110129	FOLLOWER PUNCH CAM
228275	GEAR ASM CHIP AGITATOR 05 LH THREAD
310378	GEAR ASM CHIP AGITATOR 026 RH THREAD
345298	GEAR ASM-IDLER AUX EJECT
340857	GEAR-AUX TRANSPORT IDLER
340854	GEAR-AUX TRANSPORT ROLL
345288	GEAR-IDLER INTER AUX EJECT
313939	GEAR RIBBON SPOOL DRIVE
340739	GRIPPER FINGER CD PUSHER
265878	GUIDE ASM CARD PRESSURE RAIL RT
227927	GUIDE CARD EJECT PLASTIC
262437	GUIDE KNOCKOFF BAIL ARM
345644	GUIDE PLASTIC THROAT
341071	GUIDE REG PUSHER
101808	GUIDE-REG PUSHER BAR
227732	GUIDE SENSING PIN
257225	GUIDE W/2 TAPPED HOLES
314186	INDEX ASM CAM SHAFT
340760	INDICATOR ASM-PROGRAM COLUMN
228153	KEEPER ARMATURE PUNCH CLUTCH
316455	LAMP,SELF CHECK ERROR
328076	LATCH ASM PUNCH CLUTCH
227858	LEVER ASM LONG SENSING ARM
227874	LEVER ASM SHORT SENSING ARM
341249	LEVER ASM-REGISTER PUSHER
341249	LEVER REGISTRATION VLCD
227734	MOULDING ASM PIN SENSE CONTACT
327124	NUT FINGER PIN
340783	PAD-REG PUSHER ARM
228081	PAWL ASM BACKSPACE
313924	PAWL ASM RIBBON RATCHET FD
327123	PIN FINGERS
345289	PINION 12T AUX EJECT

313938 PINION RATCHET SHIFT
345295 PLATE ASM AUX EJECT
369350 PLATE-BED (LEFT) W VLCD
328858 PLATE MASTER BED
314048 PLATE SENSE UNIT THROAT
263965 PLATEN ASM NS
228304 PLATEN ASM OS
5421245 PRESSURE ROLL ALL KP BASE MACHINES
369261 PRESSURE ROLL-DUP STATION
369257 PRESSURE ROLL-PUNCH STATION
300549 PRINT UNIT
313280 SHIM,PUNCH FRONT .003
313509 SHIM,PUNCH REAR .003
313329 PUNCH 026
228019 PUNCH CARD
313381 PUNCH CLUTCH SLEEVE O/S
340728 PUNCH CLUTCH SPRING
261177 PUNCH FIRST OVERSIZE
261178 PUNCH SECOND OVERSIZE
341074 PUSHER ASM NS VLCD
340997 RAIL ASM PRESSURE LH
340897 RAIL ASM PRESSURE RH
309734 RECTIFIER 024 026 SELF CHECKING
316433 RECTIFIER 52V 2.7 AMP 534-6 884
310890 RECTIFIER SELENIUM 024 026 STD
300545 ROD ASM VERT DR NEW STYLE
313837 ROD ESCAPE CONT OPERATING
228041 ROLL ASM EJECT
228041 ROLL ASM FEED
341264 SCREW ADJ CD PUSHER ARM
310171 SCREW ECCENTRIC ADJUSTING
120044 SCREW PRESSURE RAIL MOUNTING
228415 SCREW PRINT INTERPOSER ADJ
310375 SHAFT ASM NS
228486 SHAFT ASM 024 FLEXIBLE OLD
310597 SHAFT ASM 024 FLEXIBLE REDESIGN DRIVE
228281 SHAFT ASM 026 FLEXIBLE OLD
341004 SHAFT ASM 026 FLEXIBLE REDESIGN DRIVE
228053 SHAFT ASM 28 TOOTH GEAR 05
228027 SHAFT ASM CHIP AGITATOR OLD
5462655 SHAFT ASM ESCAPEMENT
309848 SHAFT ASM GRIPPER PROGRAM DRUM
309598 SHAFT ASM PROGRAM DRUM
227888 SHAFT ASM RELEASE BAIL CAM
341007 SHAFT GEAR ASM CHIP AGITATOR 026
305271 SHIM .003
341079 SLIDE ASM-REG PUSHER GRIPPER
12644 SORT NEEDLE
340618 SPRING ASM #1 CONTACT TRANS
340617 SPRING ASM #2 CONTACT TRANS
340615 SPRING ASM #2 CONTACT UPPER
313687 SPRING ASM CARD LEVER CONTACT
227789 SPRING ASM LOWER CONTACT
340616 SPRING ASM LOWER CONTACT
313681 SPRING ASM NON OP CD LEVER CONT
313685 SPRING ASM OPER CD LEVER CONT
313830 SPRING ASM OPER ESCAPE MAGNET
27084 SPRING ASM PUNCH MAGNET ARMATURE
227790 SPRING ASM UPPER CONTACT
39168 SPRING-AUX EJECT ARM
26513 SPRING BACKSPACE CAM ARM
227742 SPRING CARD LEVER
150676 SPRING CLUTCH EXTENSION
313836 SPRING ESCAPE PIVOT
310784 SPRING EJECT PRESSURE ROLL EXT
309733 SPRING EJECT ROLL
327126 SPRING FINGER
340892 SPRING-HOPPER CD GUIDE DETENT
110034 SPRING INTERPOSER EXTENSION
16558 SPRING-PLUNGER STOP

228605	SPRING PRESSURE RAIL
313986	SPRING PRESSURE ROLL
340801	SPRING PRESSURE ROLL
227824	SPRING PUNCH CLUTCH ARMATURE
313243	SPRING REGISTER ROLL
341125	SPRING REGISTRATION GRIPPER VLCD
313260	STUD ARMATURE KNOCKOFF ECC
312594	STUD ECC PUSHER ARM
301214	SWITCH ASM MAIN LINE
228093	SWITCH ASM MICRO BACK SPACE
227746	TERMINAL COMMON CONTACT
192906	TUBE 25L6
22066	WASHER CARD LIFTER
211985	WHEEL STAR
313566	WIRE ASM PRINT
227863	WIRE PROGRAM UNIT CONTACT

STACKER

300986	BELT CARD REVERSE
310873	BLOCK CARD GRIPPER COVER
227980	BUMPER ASM REAR STOP
227526	GRIPPER CARD FEED STD RH AND LH
183864	SPRING GUIDE TRAVELING CD

029

PART NO.	DESCRIPTION

CARD TRANS/STACKER

315189	COIL C/F/CF LATCH
345644	GUIDE THROAT CENTER UPPER
313742	EJECT UNIT
227786	INTERPOSER BAIL ASM,FRONT
227787	INTERPOSER BAIL ASM,REAR
5372240	ISOLATOR-STACKER RUBBER SEE CEM 029-117
369257	PRESSURE ROLL ASM (PCH)
541245	PRESSURE ROLL ASM (PCH) N/S
369261	PRESSURE ROLL ASM (READ)
227669	ROLL ASM-RUBBER(HOPPER)
228041	ROLL-EJECT
5404377	SWITCH STACKER

DRIVE /FRICTION CLUTCH

5372346	BELT NON PRINT
310363	BELT W PRINT
310364	BELT W PRINT
310469	PIN FRICTION DRIVE ROLL
310394	RING NYLON FR DR

ESCAPE AND FRICTION DRIVE

313764	ARMATURE ESCAPE
315189	COIL ESC
313837	ROD ESC ARM

KEYBOARD

205608	CONTACT SPRING REST BAIL
204848	CONTACT STATIONARY REST BAIL
219281	LATCH CONTACT ASM
312489	NYLON- STEM RETAINER
5447686	SWITCH CLEAR
5404423	SWITCH- DUP/SKIP
5447685	SWITCH FEED
5462505	SWITCH-MICRO 1 CIR
5462506	SWITCH-MICRO 2 CIR
5447682	SWITCH-PROG/LZ PRT

MISC. PARTS

460028	ALIGN TOOL,CODE PLATE
110129	BEARING-BALL-SMALL
156364	BEARING LARGE

MISC. PARTS (CONT.)

450660	BENDING TOOL, RELAY CONTACT
483520	BERG CONNECTOR
362684	BUTTON BACKSPACE
2391158	DIODE JB TYPE W/O TERM
5404119	DIODE JB TYPE W/TERM
12644	SORT NEEDLE
216259	TERM STRIP (PROG RAIL)
180383	WOODRUFF KEY

MOD C SPECIAL

8105953	ARMATURE/CONTACT ASM
8105577	GAGE (047-055)TOOL
8106305	GAGE (049-055)TOOL
8105962	PIN ALIGN TOOL
8129340	PRESSURE ROLL ASM
5404032	PUNCH OPER ARMS-MATCHED SET
8105935	SENSE PIN

PROGRAM

340619	CONTACT ASM REED RELAY PCC
5406267	CONTACT ASM W C RELAY PCC
5404398	CONTACT-SCREW
227863	CONTACT-WIRE
227909	DRUM PROGRAM
227858	LEVER SENSE ARM
5422222	SHAFT PROGRAM
228093	SWITCH MICRO (PROG,BCK SPACE)
211985	WHEEL STAR SENSING

PUNCH/PRINT

328902	ARMATURE CLUTCH
5447674	ARMATURE-PUNCH MAG (N/S)
227776	ARMATURE-PUNCH MAG OS
228110	CB PUNCH
315189	COIL PUNCH CLUTCH
227789	CONTACT LOWER
125872	CONTACT STIFFENER INTERPOSER BAIL CONTACTS
227790	CONTACT UPPER
305269	RESIDUAL
228348	SCREW COLLAR
314494	SCREW-PRINT LOCKING SEE CEM 029-137
75533	SCREW-PULLEY SET
328904	SPRING ARMATURE 9 1/2 TURNS
328917	SPRING HELICAL CLUTCH 20 TURNS
150676	SPRING LATCH 13 TURNS
27084	SPRING-PUNCH MAG ARMATURE

056

PART NO.	DESCRIPTION

MISC

308739	BASE 056.ERROR LIGHT
156364	BEARING LARGE
110129	BEARING SMALL
313390	CLIP TERMINAL VERIFY/PIN SENSE
227940	PIN EJECT PRESSURE ROLL

VERIFY DRIVE

328925	ARMATURE-VERIFY CLUTCH
313390	CLIP, TERMINAL PUNCH/PIN SENSE
313519	COLLAR CLUTCH
228110	CONTACT ASM-ROLLER TYPE CB
308503	INTERPOSER ASM-ERROR CAM
121970	ROLLER-PIN SENSE OPERATING CAM
301284	SLEEVE ASM 056 VERIFY CLUTCH
308730	SPRING ASM-N/O VERIFIER ERROR CONT
340510	SPRING-VERIFIER DRIVE

VERIFY FRAME (CONT.)

308661	STRAP ASM-LOWER CONTACT
308663	STRAP ASM-UPPER CONTACT

VERIFY FRAME AND NOTCH

92524	C CLIP VERIFY LATCH
308510	LATCH ASM-PIN DRIVER
309627	LATCH VERIFY PIN
308501	PIN VERIFY SENSE
345703	PUNCH-VERIFIER ERROR
313488	PUNCH-VERIFY NOTCH OK
308558	SPRING-VERIFY LATCH

059

CARD TRANSPORT

315189	COIL- CF CLUTCH/CF LATCH
228041	EJECT ROLL
345644	GUIDE-UPPER CENTER
5367355	PRESSURE ROLL (READ)
369257	PRESSURE ROLL (VER)
227669	ROLL ASM-HOPPER
5447705	SWITCH-CD LEVER MICRO
5404377	SWITCH-CF CB MICRO

DRIVE AND FRICTION CLUTCH

310363	BELT-DRIVE
5462657	GEAR & SHAFT ASM 56T
310469	PIN- FR DRIVE ROLL
310394	RING- NYLON FR DRIVE

ESCAPEMENT

313764	ARMATURE
5373531	COIL- ESCAPE
313837	ROD-ESCAPE

KEYBOARD

5367274	CONTACT ASM,BAIL LH
5400894	CONTACT ASM-BAIL RH
219281	CONTACT ASM-LATCH
205608	CONTACT SPRING-RESTORE BAIL
204848	CONTACT-STATIONARY RESTORE BAIL
312489	NYLON RETAINER 3 FEET REQUIRED
5462505	SWITCH ASM (1-CIR)
5462506	SWITCH ASM (2-CIR)
5447686	SWITCH-CLEAR
5404423	SWITCH-DUP/SKIP
5447685	SWITCH-FEED
5447682	SWITCH-PROGRAM

MISC PARTS

156364	BEARING LARGE
110129	BEARING SMALL
483520	BERG CONNECTOR
2391158	DIODE (JB) W/O TERM
5404119	DIODE (JB) W/TERM
180383	KEY WOODRUFF
2122160	LAMP ERROR
216259	TERMINAL (PROG RAIL)

OPTICS

5447712	BOARD ASM (EMIT-12 VOLT)
5447713	BOARD ASM(EMIT-48 VOLT)
5462556	BOARD ASM (READ-12 VOLT)
5404368	BOARD ASM READ 48V
5462557	BOARD ASM (VER-12 VOLT)

OPTICS (CONT.)

5404369 BOARD ASM (VER-48 VOLT)
2391195 GUIDE-EMITTER
2391193 GUIDE-READ& VERIFY STATION
5462551 LAMP ASM
5462536 SPACER (VER STA)

PROGRAM
5404398 CONTACT SCREW
227863 CONTACT WIRE
5422236 DRUM-ASM PROGRAM
227858 LEVER-SENSE ARM
5367332 LEVER-SENSE ARM (12-4)
5404372 SHAFT ASM PROGRAM NS
5373608 SHAFT ASM PROGRAM OS
228093 SWITCH-MICRO
211985 WHEEL-STAR

082
PART NO. DESCRIPTION

COMMUTATOR EMITTER CAN CONT CB
10039 BAR-COMMUTATOR CONTACT
107983 BAR-ZONE SORT CONTACT
300852 COLLAR-COMMUTATOR CONT BAR STOP
179589 LEVER ASM-CARD
100258 MOULDING-SORT COMMUTATOR
10040 STRIP-COMMUTATOR CONTACT

FEED UNIT
10084 BEARING-FEED ROLL UPPER & LOWER
10492 BEARING-UPPER FEED ROLL 1ST ONLY
283192 BLOCK ASM-CARD BRUSH HOLDER
159774 BLOCK ASM-ROLLER THROAT
10156 BUSHING-CRANK SHAFT
105350 BUSHING-PICKER KNIFE SHAFT
310119 COVER ASM-CONTACT ROLL
10137 GEAR 18 TOOTH 1ST UPPER AND LOWER
301171 GEAR 19 TOOTH WORM 1ST 2ND AND 3RD UPPER
10434 GEAR 19 TOOTH WORM 2ND LOWER ALL OTHERS
341510 GEAR CARD FEED WORM
101808 GUIDE-CARD FEED KNIFE
304458 GUIDE LOWER LEFT CARD
304459 GUIDE LOWER RIGHT CARD
10495 HOLDER ASM-BRUSH
1883 INSULATOR-CONTACT SCREW
340576 KNIFE ASM,FEED
601015 KNIFE THROAT
16433 LEVER ASM CARD
10093 LINK-PICKER KNIFE CONNECTING
10123 PIN-CARD PICKER KNIFE PIVOT
159888 PIN-OVERSIZED PICKER KNIFE PIVOT
10179 PIN-PICKER KNIFE CONNECTING LINK
10210 RETAINER-FEED ROLL BEARING
10458 ROLL ASM-AUXILLARY FEED
157711 ROLL ASM-COMMUTATOR FEED
311943 ROLL ASM CONTACT
10432 ROLL-ASM-UPPER FEED 4-15
309837 ROLL-UPPER FEED 1-2-3
11588 ROLLER-BRUSH LIFTING CAM STUD
10408 SCREW-THROAT KNIFE MOUNTING
112003 SHAFT ASM-CARD FEED LEVER
171051 SHAFT ASM-LOWER FEED ROLL
182895 SHAFT ASM-MCS CARD FEED CRANK
111967 SLIDE-KNIFE
10464 SPACER-OUTER AUX ROLL
179223 SPRING-FEED ROLL BEARING PLUNGER

MISC. PARTS
141743 CARD WEIGHT
12644 NEEDLE-SORT
605347 TEST DECK

MOTOR AND MAIN DRIVE
10265 BEARING ASM-CD FD WORM HSG & SHAFT
304441 BEARING DRIVE SHAFT
309584 BEARING-LEFT HING AND WORM SHAFT
341826 BEARING-RIGHT HINGE WORM SHAFT
309586 HOUSING ASM-LEFT HINGE
308233 MOTOR ASM- 115/230 V 60 CY
309589 PULLEY-WORM SHAFT
282614 SHAFT ASM-WORM

SORT MAGNET AND CHUTE BLADE
341505 ARMATURE ASM-SORTING MAGNET 2 COIL
10126 ARMATURE ASM-SORTING MAGNET 4 COIL
10313 BLADE ASM #0 CHUTE
10314 BLADE ASM #1 CHUTE
10315 BLADE ASM #2 CHUTE
10316 BLADE ASM #3 CHUTE
10317 BLADE ASM #4 CHUTE
10318 BLADE ASM #5 CHUTE
10319 BLADE ASM #6 CHUTE
10320 BLADE ASM #7 CHUTE
10321 BLADE ASM #8 CHUTE
10322 BLADE ASM #9 CHUTE
10312 BLADE ASM #11 CHUTE
143819 BLADE-REJECT CHUTE
262520 BLOCK ASM
179621 INSULATION-MAGNET PLATE
340516 KNOCKOFF ASM-ARMATURE
17516 PLATE ASM-FRONT CARD GUIDE
16484 PLATE-RH MAGNET
2964 RESIDUAL-COUNTER MAGNET ARMATURE
159644 SPRING-SORT MAGNET ARMATURE
10383 STOP ASM-ARMATURE
10073 SUPPORT-CHUTE BLADE

SPECIAL FEATURES
116041 COUNTER ASM-DIRECT DRIVE VEEDER
308173 COUNTER ASM-LINKAGE DRIVE VEEDER

STACKER UNIT
159721 COMB-STATIC ELIMINATION
11956 CONTACT ASM
10149 DEFLECTOR-9 POCKET CARD
10075 DEFLECTOR-9 POCKET CARD SPRING
10074 DEFLECTOR-12 THRU 8 CARD SPRING
143799 DEFLECTOR-REJECT POCKET CARD
10059 TUBE ASM-STACKER FLANGE
10061 TUBE-STACKER INNER

VEEDER COUNTER UNIT
116041 COUNTER ASM-DIRECTDRIVE VEEDER
117099 HUB-COUNTER GEAR

083
PART NO. DESCRIPTION

BASE
179623 CASTER ASM

COMMUTATOR EMITTER CAN CONT CB
228110 BREAKER ASM-CIRCUIT

083 (CONT.)
FEED UNIT
603857 ARM ASM NS
336901 ARM ASM OS
336141 ARM-CAM FOLLOWER
336221 BEARING-CAM FOLLOWER
156364 BEARING-TRANSPORT ROLL
603850 BLOCK ASM PLASTIC
336232 BLOCK ASM-ROLLER THROAT
223082 BLOCK ASM STEEL
336151 BLOCK ASM-THROAT KNIFE
336661 BRACKET-LOWER FEED ROLL
237245 CLIP-FEED ROLL RETAINING
336831 GUIDE FEED ROLL
336760 LEVER-CARD
336757 PIVOT ASM-CARD LEVER
336206 ROLL ASM-CONTACT
336158 ROLL- FEED 1ST UPPER
336273 ROLL- FEED 2ND UPPER
336089 ROLL- FEED 3RD UPPER
336092 ROLL- FEED 4TH UPPER
336920 ROLL- FEED CORK 1ST LOWER
336922 ROLL- FEED CORK 1ST UPPER
336926 ROLL- FEED CORK 2ND LOWER
336932 ROLL- FEED CORK 3RD LOWER
336934 ROLL- FEED CORK 3RD UPPER
336077 ROLL- FIRST LOWER FEED ASM
336084 ROLL- SECOND LOWER FEED ASM
336096 SHAFT ASM-TRANSPORT ROLL
336761 SPRING ASM-CARD LEVER CONTACT
336305 SPRING-CARD DECK SUPPORT
336249 SPRING-CARD WEIGHT
150243 SPRING-CONTACT UPPER CARD LEVER
FILE FEED
327590 ARM ASM-SIDE JOGGLE CAM FOLLOWER
327678 BELT TIMING
327613 BELT V
327582 CAM-CARD FRONT JOGGLER
327581 CAM-CARD SIDE JOGGLER
309749 COLLAR CARD FEED CLUTCH
327568 DETENT & BEARING ASM FEED CLUTCH
327631 GEAR-DRIVE OUTPUT
327585 GEAR-FEED ROLL IDLER
327575 GEAR-FILE FEED DRIVE
327562 HUB-CLUTCH INPUT
327561 JOGGLER ASM SIDE SEE CEM 082-051
486278 KNIFE,B/M,PLASTIC PICKER
327563 LEVER ASM
327665 LEVER ASM-CARD FRONT JOGGLE CONT
327664 LEVER ASM-CARD HOPPER
327564 LEVER ASM-CLUTCH SET SCREW
327552 LEVER ASM-FRONT JOGGLER LH
327551 LEVER ASM- FRONT JOGGLER RH
327600 LEVER-CLUTCH OPER
327571 PLATE-BED MAGAZINE
327691 PULLEY-CAM ASM JOGGLER POCKET
327553 PULLEY CLUTCH INPUT
327554 PULLEY CLUTCH OUTPUT V BELT
804509 PULLEY-DRIVE FILE FEED NS
327703 PULLEY-DRIVE FILE FEED OS
327650 PULLEY-DRIVE JOGGLER POCKET
603019 PULLEY-FEED ROLL DRIVE
327555 PULLEY-FEED ROLL V BELT
209147 ROLL .25 DIAMETER HOLE REPLACE IN PAIRS
209146 ROLL .375 DIAMETER HOLE REPLACE IN PAIRS
327580 SCREW -JOGGLE ADJ SHORT
327596 SHAFT-CLUTCH OUTPUT
327667 SHAFT-CONTACT LEVER PIVOT
313381 SLEEVE-CLUTCH CARD FEED
340728 SPRING-CLUTCH CARD FEED

083 (CONT.)
151774 SPRING-CONTACT,LOWER CARD LEVER
58851 SPRING-LEVER ASM FR JOGGLER
327584 SPRING-LEVER CLUTCH
79081 SPRING-POCKET JOGGLER BRACKET
327624 SPRING-STUD JOGGLER
327641 STUD-PIVOT PULLEY DRIVE
228093 SWITCH-MICRO

MOTOR AND MAIN DRIVE
336264 BELT-CAM SHAFT 4TH UPPER
336257 BELT-CONTACT ROLL
336256 BELT-FEED ROLL 1-2-3 TIMING
148368 BELT-TRANSPORT ROLL
256348 LINE CORD
336143 PULLEY-18 TOOTH 1-2 LOW REAR 2 UP
336154 PULLEY-20 TOOTH 2 LOWER FRONT FEED
336176 PULLEY-FEED ROLL TRANSPORT

NEW STYLE REDESIGNED
336975 BLADE-#0 CHUTE
336965 BLADE-#1 CHUTE
336966 BLADE-#2 CHUTE
336967 BLADE-#3 CHUTE
336968 BLADE-#4 CHUTE
336969 BLADE-#5 CHUTE
336970 BLADE-#6 CHUTE
336971 BLADE-#7 CHUTE
336972 BLADE-#8 CHUTE
336973 BLADE-#9 CHUTE
336976 BLADE-#11 CHUTE
336964 BLADE-#12 CHUTE
336974 BLADE GUIDE
336954 BLOCK ASM-CHUTE BLADE SUPPORT
257187 NUT-CHUTE BLADE SUPPORT
336958 SPACER ASM-CHUTE BLADE
1090622 WASHER-CHUTE BLADE SUPPORT
OLD STYLE CHUTE BLADES
336188 BLADE-#0 CHUTE
336178 BLADE-#1 CHUTE
336179 BLADE-#2 CHUTE
336180 BLADE-#3 CHUTE
336181 BLADE-#4 CHUTE
336182 BLADE-#5 CHUTE
336183 BLADE-#6 CHUTE
336184 BLADE-#7 CHUTE
336185 BLADE-#8 CHUTE
336186 BLADE-#9 CHUTE
336189 BLADE-#11 CHUTE
336177 BLADE-#12 CHUTE
336187 BLADE GUIDE

POWER SUPPLY
303644 PIN-TUBE CONNECTOR
336555 RECTIFIER 104 VOLTS .225 AMP WD 336001 THR F
288545 RECTIFIER USED ON 083 WD 336001 G
336576 SWITCH DPST LINE

SELECT MAG AND CHUTE BLADE UNIT
336031 ARMATURE-SELECTOR MAGNET
336026 COIL ASM-SELECTOR MAGNET
316490 CONTACT-LONG MALE ELCO PLUG
316491 CONTACT-SHORT FEMALE ELCO PLUG
336380 LINK-LENGTH 3.250 PULL
336381 LINK-LENGTH 4.687 PULL
336382 LINK-LENGTH 6.125 PULL
336383 LINK-LENGTH 7.562 PULL
336012 PAWL-INTERPOSER
336018 PIN ASM-SELECTOR
233355 ROLLER-SELECTOR BAIL OPER

083 (CONT.)

316492	SECTION-CENTER BLOCK ELCO
316494	SECTION-END BLOCK FEMALE ELCO
316493	SECTION-END BLOCK MALE ELCO
133127	SPRING-INTERPOSER PAWL
134542	SPRING-PAWL LATCH

STACKER UNIT

336367	SPRING-CARD DEFLECTOR
336836	SPRING-STACKER POCKET
336817	SWITCH-MERCURY POCKET STOP

084

PART NO. DESCRIPTION

804876	AIR TUBING (TO LIGHT SOURCE)
804877	AIR TUBING (TO VACUUM)
602439	BELT COG FEED ROLL DR UPPER
364156	BELT COG FILE FEED DRIVEN
363002	BELT FILE FEED DRIVE
336256	BELT (JOGGLE DRIVE)
209247	BELT (LIGHT SOURCE DRIVE)
126527	BELT (MOTOR BELT V)
327613	BELT V FEED ROLL DR UPPER
148368	BELT V (TRANSPORT)
336264	BELT (TRANSPORT DRIVE)
206570	BELT (VACUUM PUMP) AFTER S/N 11542
206571	BELT (VACUUM PUMP) PRIOR S/N 11542
363420	BULB 10 V
216374	BULB 30 V
804816	CAPACITOR FOR 115 V MOTOR
804817	CAPACITOR FOR 230V MOTOR
209199	CARD SEPARATOR
804827	FACE CAM
363058	FEED ROLL (1ST LOWER)
363059	FEED ROLL (2ND LOWER)
363062	FEED ROLL (3RD LOWER)
336922	FEED ROLL (1ST UPPER)
336930	FEED ROLL (2ND UPPER) CORK
336273	FEED ROLL (2ND UPPER) STEEL PRIOR TO S/N 23859DZ
732052	FEED ROLL (3RD UPPER)
363452	FEED ROLL (TRANSPORT LOWER)
363064	FEED ROLL (TRANSPORT UPPER)
889311	FILTER (LIGHT SOURCE CLEANING)
216365	FILTER (VACUUM PUMP) ALSO INSTALL 216369 FILTER
363459	MOTOR 115 V NO CORD
363342	MOTOR 230V NO CORD
363586	MOTOR (VACUUM PUMP)
741124	SOLENOID PLUNGER QTY 4
363223	SPRING (SELECTOR LEVER ARM)
363458	START RELAY EXTERNAL FOR 115 V MOTOR
363344	START RELAY EXTERNAL FOR 230V MOTOR
209140	SWITCH DPDT START
736537	SWITCH SPDT
253267	SWITCH STOP

088

PART NO. DESCRIPTION

BELTS

602272	BELT- 2 & 3 FEED ROLL TIMING
602268	BELT- 3 & 4 FEED ROLL TIMING
602443	BELT- FILE FEED DRIVE
602324	BELT- N. 1. CONTACT ROLL O.D. 21 IN
602323	BELT- N. 1. DRIVE O.D. 48 IN
602325	BELT- N. 1. TIMING O.D. 14 IN
602326	BELT- N. 1. TIMING O.D. 18.9 IN
602442	BELT- O.D. 12.9X1/4W
602433	BELT- PRIMARY FILE FEED O.D. 11.3
602643	BELT- STACKER DRIVE TIMING
148368	BELT- TIMING UPPER FEED ROLL

PRIMARY AND SECONDARY CLUTCH
- 603729 CLUTCH ASM B/M
- 602073 KEEPER-PRI AND SEC CLUTCH
- 602070 LATCH-PRI & SEC CLUTCH
- 603919 SPRING-DOG AND DETENT
- 603026 YOKE AND COIL

PRIMARY AND SECONDARY FEED
- 602450 BLADE-CHUTE LONG PRI
- 602375 BLADE-CHUTE LONG SEC
- 602456 BLADE-CHUTE SHORT PRI
- 602374 BLADE-CHUTE SHORT SEC
- 603850 BLOCK ASM-FEED KNIFE PLASTIC
- 336150 BLOCK ASM-FEED KNIFE STEEL
- 309747 COLLAR FILE FEED CLUTCH
- 313381 SLEEVE-FILE FEED CLUTCH
- 336232 SPRING-FILE FEED CLUTCH
- 340728 SPRING-FILE FEED CLUTCH
- 603955 SPRING-FRONT JOGGLER
- 602334 WEIGHT-CARD FILE FEED

NOTES

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KEYBOARD

PART NO.	DESCRIPTION
961514	CONTACT ASM,7 POS LATCH
964799	KIT,KBRD REPAIR (CEM 72)
961528	KNOB PROGRAM DIAL
2396634	LED INDICATOR BOARD
964628	LED CABLE
961525	ROTARY SWITCH-10 POS
960999	SHIM, WEAR (CEM 72)
5754501	SWITCH,(AUTO DUP/SKIP)(REC ADV)
738825	SWITCH,(CHAR MODE 48/64)(PRINT)
738828	SWITCH, MOMENTARY TOGGLE (CLEAR)
5754501	SWITCH, MODE (PCH/VER STANDARD)
483577	SWITCH, MOMENTARY PUSH BUTTON (REC BKSP,READ)
5214866	SWITCH, MICRO (KEYSTEM,ALL POS)
5471433	SWITCH, MICRO ASM (CHAR BKSP)
5755036	SWITCH, MICRO ASM (ALL EXCEPT CHAR BKSP)

DRIVE

PART NO.	DESCRIPTION
963523	COG-BELT (MOTOR TO RED.PULLEY)
963522	COG-BELT (SM-PULLEY TO EJECT/REG)
961762	EJECT ROLL DR.(NON STEP-MTR)
5422230	MOTOR,DRIVE
963520	MOTOR,STEPPER
964689	PULLEY ASM,MTR (SM-NON PRT)
964690	PULLEY ASM,MTR (SM-PRT)
310364	V-BELT,PCH DR. (ESC-SM)
310363	V-BELT,MACH.DR (ESC)

STACKER

PART NO.	DESCRIPTION
963574	ROLL EJECT
961583	STUFFER GUIDE
5477760	SWITCH

PUNCH DRIVE

PART NO.	DESCRIPTION
328902	ARMATURE,PCH CL
328920	COLLAR,PCH CL SHAFT
961350	DRIVE UNIT (ESC)
963550	DRIVE UNIT (SM)
982392	DRIVE UNIT (INTERPRET)
926988	PIN,SPIRAL
305269	RESIDUAL,PCH CL
961231	SLEEVE,INNER (PCH CL)
961232	SLEEVE,OUTER (PCH CL)
328917	SPRING,HELICAL (PCH CL)
328904	SPRING,ARMATURE RETURN (PCH CL)

PRINT

PART NO.	DESCRIPTION
5372337	CODE PLATE
313566	PRINT WIRE
5372340	PRINT WIRE UNIT
8108781	RIBBON FEED (N/S)

CHIP AGITATOR

PART NO.	DESCRIPTION
961673	AGITATOR (ESC MOD.1/SM MOD.2,3)
8105454	AGITATOR (ESC 2,3/SM MOD.1)
964779	ADAPTER,CHIP AGITATOR
165556	..SET SCREW (2) REQUIRED FOR 964779
961693	FLEX SHAFT (ESC MOD.1)
961768	FLEX SHAFT (ESC MOD.2,3)
964784	FLEX SHAFT (SM MOD.1)
964783	FLEX SHAFT (SM MOD.2,3)
964785	SPACER (SM MOD.1 PCH DR SHAFT)

FUSES BY POWER SUPPLY

FUSE NO.	PWR SUPPLY P/N2609100		PWR SUPPLY P/N2609130		PWR SUPPLY P/N2623060	
1	3A.	855252	3A.	855252	3A.	855252
3	6A.	5214456	8A.	5214302	8A.	5214302
4	3A.	338165	3.5A.	2495470	3.5A.	2495470
5	1.5A.	5214149	1.5A.	5214149	1.5A.	5214149
6	6A.	5214456	6A.	5214456	6A.	5214456
7	1A.	855253	1A.	303549	1A.	303549
8		NONE		NONE	3A.	855252

CARD FEED

PART NO.	DESCRIPTION
963599	DETENT SPRING (CLUTCH LATCH)

CARD READ

PART NO.	DESCRIPTION
962953	PHOTO CELL/CABLE ASM SM-MOD
961740	PHOTO CELL/CABLE ASM ESC MOD

TOOLS

PART NO.	DESCRIPTION
961343	CARD REMOVAL/SAW
982911	INTERPRET .059-.061 GAUGE
453212	LOGIC PROBE
963565	ROLL,DIE PRESSURE
5161423	KEYBOARD MOD.7
227582	KEYSTEM KEYBOARD
453652	SLD PROBE
2414890	SLD PROBE BULB-3VOLT

RESISTER STATION

PART NO.	DESCRIPTION
961738	PLATE,PHOTO APERTURE (O/S)
982705	PLATE,PHOTO APERTURE (N/S)

MISCELLANEOUS

PART NO.	DESCRIPTION
740660	LAMP-EMITTER-PUNCH-CARD FEED
5462551	LAMP-READ (O/S)
964786	LAMP-READ (N/S)

402
403
PART NO. DESCRIPTION

BASE
156364 BEARING-BALL
285302 CAP-FUSE
129992 CASTER ASM
116041 COUNTER ASM-DIRECT DRIVE VEEDER
308173 COUNTER ASM-LINKAGE DRIVE VEEDER
208559 COVER-SIGNAL LIGHT
120283 DISTRIBUTOR ASM-DIGIT SELECTOR
222586 FASTENER-LION STUD
220690 GROMMET-JOGGLE PLATE RUBBER
220688 GROMMET-LION STUD
133431 KEY-WOODRUFF
219617 PLATE-JOGGLE
214460 PLUG- SMALL TAPER
220478 SEAL-SPONGE RUBBER DUST
186459 SOCKET ASM-CABLE CONN
222516 STUD ASM-COVER LATCH

COMMUTATOR EMITTER CAN CONT CB
198248 ARM ASM CB CONTACT REMOVABLE PT
24961 ARM ASM CIRCUIT BREAKER
216890 CONTACT ASM-NC CIRCUIT BREAKER
205751 CONTACT ASM-NO CIRCUIT BREAKER
127603 FRAME ASM-CF UNIT SIDE
205758 JUMPER-CAM CONTACT
198247 POINT-CB REMOVABLE CONTACT
140992 ROCKER CB ASM
24938 SCREW-CIRCUIT BREAKER ADJ

CONTROL PANEL
121367 CLAMP-CONTROL PANEL COVER
249417 COLLAR-CTRL PANEL FRAME INTK SCREW
214442 CONNECTOR-REAR CONTROL PANEL
127342 CONTACT AUX CONTROL PANEL
41198 NUT-CONTROL PANEL BAR
171300 SHIM-THIN FIBRE CONTROL PANEL
128798 STUD-STOP

COUNTER
123455 ARM ASM-CLUTCH ENGAGING
123467 ARM ASM-CONTACT OPERATING
123475 ARM-ASM-TENSION RESET
123434 ARMATURE ASM-ADD
123433 ARMATURE ASM-SUB MAGNET
123430 COUNTER ASM
129330 HOLDER ASM-EMITTER BRUSH
123537 LATCH-CONTACT BAR
280388 MAGNETASM-COUNTER
123552 SPRING-CONTACT ARM LEVER
123491 SPRING-EXTENSION
123498 TERMINAL 9 AND 10 BRUSH CONTACT

FEED
139919 BEARING-IDLER GEAR
219668 BEARING-PRESSURE ROLL PIVOT
120104 BLOCK ASM-BRUSH HOLDER
159774 BLOCK ASM ROLLER THROAT
103300 GEAR ASM-FEED ROLL IDLER PINION
229464 GEAR ASM-CONTACT ROLL IDLER
120614 GEAR ASM-INTERMED BRG & DRIVE
228694 GEAR-CD FD ROLL SPUR
104154 GEAR-CONTACT ROLL DRIVE
257225 GUIDE-CARD FEED KNIFE W/2 TAPPED HOLES
101808 GUIDE-CARD FEED KNIFE W/O TAPPED HOLES
228718 HOLDER-CD FD LESS CARBOLOY INSERT
228717 KNIFE-CD FD LESS CARBOLOY INSERT

22468 KNIFE-THROAT
252276 LATCH ASM-PICKER CLUTCH 403
122782 LEVER ASM-CARD
289902 PAWL ASM-CLUTCH
10123 PIN-CARD PICKER KNIFE PIVOT
159888 PIN-OVERSIZED PICKER KNIFE PIVOT
155247 ROLL ASM CONTACT
28606 SCREW-CARD GUIDE THUMB
216781 SEPERATOR 1ST 403
216777 SEPERATOR-2ND BRUSH
216779 SEPERATOR-3RD BRUSH
167233 SHOE-PRESSURE
111967 SLIDE-KNIFE
192901 SPRING ASM-NON OPER CONT
2111747 TUBING FERREL
605347 TEST DECK
192903 SPRING ASM-NO OP CD LEVER CONT
363564 VACUUM PUMP
192904 SPRING ASM-OP CARD LEVER CONT
192902 SPRING ASM-OPER CARD LEVER CONT
28625 SPRING-AUX MAGAZINE
129741 STUD CONTACT ROLL IDLER
219667 STUD-PRESSURE ROLL PIVOT BEARING

FEED CLUTCH
206990 ARM ASM-CARD FEED CLUTCH
206979 GEAR-DRIVE
206496 KEY- GEAR
229450 LEVER ASM-CARD FEED CLUTCH NEW
127354 PAWL ASM CDFD CLUTCH-
32337 SPRING-CLUTCH PAWL
25390 STOP-CLUTCH LEVER ADJ

HAMMER
288425 ARM ASM-RIBBON FD PAWL
121537 ARM-AUTO HAMMER LOCK
289826 COLLAR ASM-RIBBON FEED PIN
23041 FORK-REVERSING LH
23040 FORK-REVERSING RH
129270 GUIDE ASM LEFT RIBBON
25451 GUIDE ASM 418 RIGHT RIBBON
127308 HAMMER
288426 HUB ASM-REVERSE FORK AND PIN
120370 LATCH ASM-HAMMER
23131 NUT-RIB SPOOL RETAINER
281528 PAWL-DRILLED RIBBON RATCHET FD
129126 RING-HAMMER SHAFT LUBRICATING
149780 SPRING-HAMMER
280470 SPRING-LIST TAB DEVICE HAMMER PLATE
121796 SPRING-STD HAMMER LOCK PLATE
128769 STUD- ARM LINK ECC
23089 STUD-RIBBON GUIDE SPOOL
121707 TRIP-HAMMER LATCH

MOTOR AND DRIVE
210488 BEARING ASM-LIST CAM FOLLOWER
120207 BEARING DR HSG WORM SHAFT
123403 GEAR ASM-CB IDLER
25459 GEAR ASM-IDLER
210485 GEAR-CAM SHAFT
110091 GEAR-CONT RUN SHAFT DRIVEN
128701 GEAR-CONTINUOUS RUNNING DRIVE
257145 GEAR-MACHINE DRIVE IDLER
25548 KEY-WORM
117391 PULLEY ASM-TWO SPEED CL DRIVEN
196648 PULLEY-IDLER
128888 RETAINER ASM-FRONT DR HSG BRG OLD

PRINT
- 210324 ARM ASM-FRONT ALPH TYPEBAR OPER
- 23597 ARM ASM FRONT NUMERIC TYPEBAR OPER
- 210323 ARM ASM-REAR ALPH TYPEBAR OPER
- 23203 ARM ASM-REAR NUMERIC TYPEBAR OPER
- 25242 BEARING-3/8 SPRING BAIL LINK BALL
- 210299 BEARING-SPRING BAIL LINK
- 283700 CASING-DEMOUNTABLE ALPH TYPEBAR
- 124891 GUIDE-CENTER RIBBON
- 110704 PIN-TYPEBAR GUIDE
- 149695 SCREW -SEL GEAR BAR
- 129654 SCREW-SOCKET HEAD CAP SUPPORT
- 210540 SHANK ASM-DEMOUNT TYPEBAR
- 129094 SPRING-ALPHA POSITIONING BAR
- 210268 SPRING ASM-FRONT ALPH TYPEBAR CAP
- 121648 SPRING ASM-FRONT NUM TYPEBAR OPER
- 210269 SPRING ASM-REAR ALPH TYPEBAR CAP
- 121649 SPRING ASM-REAR NUM TYPEBAR OPER
- 287850 SPRING ASM-TYPEBAR TERMINAL
- 100843 SPRING-TYPE CASE COVER LOCK
- 112381 SPRING-TYPE RETURN
- 287638 TYPEBAR ASM-LOWER SECTION ALPHA
- 230637 TYPEBAR ASM-NUMERIC-ASTERIK
- 230636 TYPEBAR ASM-NUMERIC-CR
- 121717 TYPEBAR ASM-UPPER SECTION ALPHA

PRINT CLUTCH
- 229451 LEVER-PRINT CLUTCH LATCH
- 210220 PAWL ASM-CLUTCH
- 288017 SHAFT ASM-PRINT CLUTCH ARM GEAR
- 183864 SPRING-CLUTCH LEVER DETENT

PRINT MAGNET
- 128570 ARMATURE-LOWER LATCH MAGNET
- 128532 ARMATURE-UPPER LATCH MAGNET
- 103603 COIL ASM-UNMARKED MAGNET
- 103604 COIL ASM-YELLOW MARKED MAGNET
- 71296 SPRING-ARMATURE

STACKER
- 22435 ROLLER-CARD STACKER
- 11358 SPRING-ROCK SHAFT FLAT
- 141743 WEIGHT-CARD

STORAGE
- 166527 ARMATURE 402 SET UP MAGNET
- 141215 BEARING 402 BALL
- 301613 BUTTON-STOP KEY OLD
- 166509 FOLLOWER 402 SETUP CAM
- 166516 PAWL 402 SETUP
- 208424 SLIDE-BLANK SIGNAL
- 166632 SPRING ASM-SET UP BAIL
- 237480 SPRING ASM-STORAGE UNIT CONTACT
- 166623 SPRING-MAGNET ARMATURE
- 131225 SPRING-SET UP PAWL
- 220059 SPRING-STORAGE UNIT RATCHET
- 166637 YOKE ASM-SETUP MAGNET COIL

TWO SPEED CLUTCH
- 229129 SHAFT ASM-CLUTCH DISC NEW

ZONE
- 25140 ARM ASM-ZONE OPER CAM
- 110731 ARMATURE ASM-SETUP
- 210290 BAR-ZONE LEVER RESTORING
- 149023 BEARING-DRIVE SHAFT
- 210289 GUIDE-ZONE LEVER
- 101845 LEVER ASM-ZONE BAR
- 110732 LINK- FRONT MAGNET CONNECTING
- 110733 LINK- REAR MAGNET CONNECTING
- 123650 MAGNET ASM-SETUP TERMINAL
- 282420 PAWL-GROUND TYPEBAR STOP

407

PART NO.	DESCRIPTION
ANALYZER	
202920	ARM ASM PAWL KNOCKOFF CAM
202970	ARM ASM RESIDUAL RIVET .0635 HOLE
228959	ARM ASM RESIDUAL RIVET .095 HOLE
202951	ARM PRESSURE
237300	ARMATURE PRINT MAGNET .095 HOLE
203788	BEARING IDLER GEAR BALL
203097	COIL ASM ANALYZER MAGNET
442783	GEAR ASM SELECTOR CLUTCH
163279	LATCH ANALYZER PAWL
204047	LATCH CLUTCH DOG
202928	LINK ANALYZER PAWL
202919	LINK CLUTCH OPERATING
203079	PAWL ANALYZER
203780	PAWL MAGNET KNOCKOFF
149695	SCREW SUPPORT GUIDE
203896	SPRING ANALYZER SLIDE PAWL
203831	SPRING BAIL AND DOG LATCH
203871	SPRING INTERPOSER LEVER
159644	SPRING SORT MAGNET ARMATURE RETURN
203872	SPRING TRIP CAM FOLLOWER
157	SPRING ZERO LEVER BUSHING LOCK
BASE	
216535	COIL ASM RELAY MAGNET
208559	COVER SIGNAL LIGHT
207628	FILTER 16 7/8 X 10 AIR
207628	FILTER 16.875 X 10.000 X 1.000 FOR 407 MACH. VINYL
223948	FILTER 19.875 X 10.000 X 1.000 FOR 101 AND 407 MACHS
219617	PLATE JOGGLE
237307	RECTIFIER 50V SINGLE FILTER SECTION SOLDER
220478	SEAL SPONGE RUBBER DUST
203436	SLEEVE OIL LINE
208424	SLIDE BLANK SIGNAL LITE
203869	SPRING OIL CHECK PLUNGER
214379	SWITCH SPST MICRO
COMMUTATOR EMITTER CAM CONT CB	
123434	ARMATURE ASM CIRCUIT BRKR CLUTCH
255970	CB ASM UNITIZED FROM APPROX DY SUFFIX
216890	CONTACT ASM N/C CB
205751	CONTACT ASM N/O CB
219991	SCREW CB ADJUSTING
CONE AND MAGNETIC CLUTCHES	
110129	BEARING CLUTCH CAM ROLLER BAIL
134325	BEARING ROLLER QTY 2
129268	CAM ROLLER ASM
203845	GEAR ASM CONE CLUTCH MALE
CONTROL PANEL	
139919	BEARING RECEIVER PIVOT
474180	CONTACT GOLD STATIONARY PAN.
214442	CONTACT NICKEL STATIONARY PAN.
COUNTER	
255651	ARM ASM COUNTER LATCH KNOCKOFF
257444	COUNTER ASM STANDARD
128358	DISC CLUTCH STANDARD
128372	LEVER COUNTER CLUTCH
129649	SPRING COUNTER CLUTCH PAWL
186781	SPRING COUNTER CONTACT 9-10
203877	SPRING COUNTER LATCH KNOCKOFF

FEED

203162 ALIGNER REAR EDGE CARD
203530 BAR POSITION #1 SENSING
203531 BAR POSITION #2 SENSING
203532 BAR POSITION #3 SENSING
203533 BAR POSITION #4 SENSING
203440 BEARING O PRES OPER LINK STUD
203441 BEARING 1 PRES OPER LINK STUD
203442 BEARING 2 PRES OPER LINK STUD
203443 BEARING 3 PRES OPER LINK STUD
203390 BEARING CAM FOLLOWER NEEDLE
25242 BEARING FEED ROLL SHAFT BALL
104840 BEARING LUBRICATOR ROLLER
159774 BLOCK ASM ROLLER THROAT
203455 BUSHING ROTOR LUBRICATOR ROLLER
189668 DOG PICKER SHAFT CLUTCH
220690 GROMMET REAR
257225 GUIDE CD FD KNIFE TWO TAPPED HOLES
101808 GUIDE CD FD NO TAPPED HOLES
228718 HOLDER CD FD LESS CARBOLOY INSERT
1883 INSULATOR BRUSH BLOCK CONTACT SCR
133431 KEY WOODRUFF
228717 KNIFE CD FD LESS CARBOLOY INSERT
22468 KNIFE THROAT
203408 LEVER ASM CARD
203593 LOCK PRESSURE OPER STUD BEARING
237490 MOLDED STATOR INIT. INSTALLED BM258440
237222 PLATE BRUSH SEPARATOR LEFT
237313 PLATE BRUSH SEPARATOR RIGHT
203543 ROD SENSING BAR DOWEL
104843 ROLLER ASM LUBRICATOR STEEL
203444 ROLLER ASM ROTOR LUBRICATOR BRONZE
442794 ROTOR COMMUTATOR
203266 SHAFT ASM CARD ALIGNER ACTUATING
192903 SPRING ASM NO OP CD LEVER CONT
192902 SPRING ASM OPER CARD LEVER CONT
28625 SPRING AUXILIARY
38213 SPRING CF BACKLASH DETENT
203243 SPRING COMMUTATOR ROTOR
12148 SPRING GRIPPER TOGGLE LINK
183864 SPRING NON REVERSE LEVER
203274 SPRING REAR EDGE CARD ALIGNER
286442 WEIGHT CARD 51-80 COL.
141743 WEIGHT CARD STANDARD

MOTOR AND DRIVE

203984 BELT ASM SPRING
257223 BRACKET ASM IDLER PULLEY
237260 BRUSH ASM GENERATOR
218827 BRUSH MOTOR
257389 GEAR BEVEL VERT CTR DR SH
257390 GEAR HOR DRIVE SHAFT BEVEL
138743 PULLEY ASM IDLER

PRINT

228925 ARM ASM CLUTCH DETENT
257205 ARM ASM PRINT WHEEL
202707 ARM PRINT CONTACT OPERATING
156364 BEARING LATCH CAM SHAFT
123897 BEARING N.S. BLOWER ASM
191148 BEARING O.S. BLOWER ASM
9667 BLOCK TERMINAL
204246 BRUSH ASM COUNTER CONTACT
204245 BRUSH ASM PRINT CONTACT
220950 BRUSH TYPEWHEEL
202711 CAM PRINT
204150 CONTACT ASM EVEN POS COUNTER TYPE B
204152 CONTACT ASM EVEN POS PRINT TYPE B
204149 CONTACT ASM ODD POS COUNTER TYPE A

204151 CONTACT ASM ODD POS PRINT TYPE A
202719 DETENT PRINT CAM
257203 DOG ASM PRINT CLUTCH (LIGHT CAM)
258158 DOG ASM PRINT CLUTCH (SOLID CAM)
233262 DOG ASM SELECTOR CLUTCH GRADE 1
233266 DOG ASM SELECTOR CLUTCH GRADE 5
233270 DOG ASM SELECTOR CLUTCH GRADE 8
202899 DOG RIBBON FEED CLUTCH
442783 GEAR ASM SELECTOR CLUTCH
202710 LATCH PRINT CLUTCH
228946 LEVER ASM RIBBON CLUTCH
10481 PIN LATCH SUPPORT BRACKET TAPER
257207 SPRING ASM CLUTCH DOG
257206 SPRING ASM DOG
204129 SPRING COUNTER CONTACT HAIR
203750 SPRING DETENT ARM
203870 SPRING PRINT CLUTCH LATCH
150072 SPRING RIBBON FEED CHECK PAWL
256319 WIRE TYPEWHEEL CONTACT

STACKER
203428 GEAR ASM STACKER IDLER
203671 LEVER STACKER UNIT INTERLOCK
11358 SPRING CARD GRIPPER
134714 SWITCH,STOP STACKER

STORAGE UNIT
166527 ARMATURE MAGNET
166509 FOLLOWER ASM SET UP CAM
166516 PAWL SETUP
166632 SPRING ASM SETUP BAIL
237480 SPRING ASM STORAGE UNIT CONTACT
38213 SPRING CF CAM CL DETENT
166623 SPRING MAGNET ARMATURE
131225 SPRING PAWL RESTORING AND SET UP
166637 YOKE ASM SET UP MAGNET COIL

514
519
PART NO. DESCRIPTION

COMMUTATOR EMITTER CAM CONT CB
126645 ARM ROTOR ASM .375 SHAFT 533 SERIAL #10238 AND UP
258831 ARM ROTOR ASM .437 SHAFT
126631 ARM ROTOR ASM .500 SHAFT 533 SERIAL #10238 AND EARLI
165008 BLOCK BRUSH HOLDER
255970 BREAKER ASM UNITIZED CIRCUIT 521 C
205750 CONTACT ASM 519-521 LATCH CIR BRKR
216890 CONTACT ASM N/C CB
205751 CONTACT ASM N/O CB
188592 EMITTER ASM 519 PRINT IMP RELAY
179457 EMITTER ASM BRUSH TYPE
104368 EMITTER ASM CONTACT TYPE
205758 JUMPER 519-521 CAM CIRCUIT
198247 SCREW 521 CIRCUIT BREAKER
24938 SCREW CIRCUIT BREAKER ADJUST
103663 SPRING ASM LOWER CONT 521L
134282 SPRING ASM NON OPER BREAK CAM CONT
134283 SPRING ASM OPER BREAK CAM CONT
107166 SPRING ASM OPER MAKE CAM CONT
103639 SPRING ASM UPPER CONT 521L
107149 STRAP ASM NON OPER MAKE CAM CONT

COMPARING
111253 MAGNET COIL ASM TAPER PLUG TERMINALS
184370 MAGNET COIL ASM THREADED STUD TERMINALS
159644 SPRING 514 COMPARING RESET LEVER
6338 SPRING ASM UP NON OP COMP CONT
134631 SPRING RESTORING BAIL TOGGLE
15868 STUD STACKER IDLER GEAR
222379 WINDOW COMPARING UNIT 514-519

CONTROL PANEL
139919 BEARING 519-521 CAM PIVOT SCREW
165439 FRAME CONTROL PANEL TOP
165438 FRAME SINGLE CONTROL PANEL
107991 GUARD CP CONTACT
41198 NUT CONTROL PANEL BAR
171300 SHIM THIN FIBRE CONTROL PANEL
257215 SPRING SINGLE CONTROL PANEL GUIDE

MARK SENSE
288600 RACK ASM 514-519 PLUGGABLE MS2
288599 RACK ASM 514-519 PLUGGABLE MS3
289124 RACK ASM 514-519 ELECTRONIC MS4

PRINT 519
128570 ARMATURE LOWER
128532 ARMATURE UPPER
9667 BLOCK 519 MAGNET COIL TERMINAL
187134 PLATEN 519 TYPE
193048 TYPEWHEEL ASM 519
187066 WASHER ASM SPRING .006
255553 WASHER ASM SPRING .009

SPECIAL FEATURES
116041 COUNTER ASM DIRECT DRIVE VEEDER
308173 COUNTER ASM LINKAGE OR VEEDER 519

MISC.
249358 STACKER SHOES
220278 SWITCH,MAIN LINE

557

PART NO.	DESCRIPTION
BASE	
220688	GROMMET LION STUD
231658	SWITCH INTERLOCK
CABLE AND AUX CIRCUIT COMPONENT	
236915	TERMINAL #20 WIRE
236916	TERMINAL #24 WIRE
CARD FEED	
347513	ARM ASM
347515	ARM ASM ALL PARTS INITIALLY REQD.
231563	BLOCK ASM BRUSH MOD 1 PRIOR TO S/N 13059SY PROOF
231565	BLOCK ASM BRUSH MOD 1 PRIOR TO S/N 13059SY READ
347411	BLOCK ASM BRUSH MOD 1 S/N 13059SY AND LATER PROOF
347410	BLOCK ASM BRUSH MOD 1 S/N 13059SY AND LATER READ
236974	GATE PRESENSE ALIGNER
347511	SHAFT
232123	WIRE SENSING
HAMMER	
232447	HAMMER ASM
361959	HAMMER STRIPPER
57822	SPRING HAMMER
MOTOR	
192778	BELT MOTOR DRIVE
5441361	MOTOR 1/4 HP 115V
219602	MOTOR 1/4 HP 230V
PRINT	
259741	ARM ASM RACK DRIVE
472778	ARM ASM RACK DRIVE
180859	ARMATURE REPEAT PRINT CHARACTER
257187	ARMATURE REPEAT PRINT CHARACTER PIVOT NUT
347841	ARMATURE REPEAT PRINT CHARACTER PIVOT STUD
231266	BAIL LIFTER ARM
255970	C/R BREAKER
472742	GEAR ASM INTERMEDIATE W/O SPACING YOKES NEW STYLE
231086	GEAR ASM INTERMEDIATE W/ SPACING YOKES
231094	GEAR INTERMEDIATE
347764	GUIDE ARM
347765	GUIDE ARM
328875	GUIDE RACK AND LIFTER ARM (O/S)
343266	GUIDE RACK AND LIFTER ARM (N/S)
232760	PAD TYPEWHEEL GEAR YOKE
232688	PIN PIVOT SHAFT TAPER FRONT
232687	PIN PIVOT SHAFT TAPER REAR
232166	PRE SENSE UNIT-80 COL
231266	RACK LIFT BAR O/S
231012	RACK TYPEWHEEL
343271	RACK TYPEWHEEL
472754	SPRING ASM RACK DRIVE ARM LONG
232495	SPRING ASM RACK DRIVE ARM SHORT
232254	SPRING FEED ROLL PRESSURE
350673	SPRING JAMB SWITCH
351794	SPRING LARGE 7.168 IN
44946	SPRING RIBBON SUPPORT FINGER
343269	SPRING STANDARD 7.156 IN
232695	STUD DRIVE PLATE MTG.
350492	SWITCH JAMB
232229	WIRE TRANSFER CONTACT
231089	YOKE TYPEWHEEL GEAR
PRINT SELECTOR MAGNET	
259766	ARMATURE SELECTOR MAGNET
231426	COIL ASM SELECTOR MAGNET
123491	SPRING ARMATURE

557 (CONT.)
PROOF

343273	ARM ASM PROOF
259776	COIL ASM PROOF
236876	CONTACT ASM PROOF WIRE
259868	INTERPOSER DIGIT PROOF
231283	INTERPOSER ZONE PROOF
231387	LEVER ASM DIGIT CHECKING
231388	LEVER ZONE CHECK (.040 THICK)
259937	LEVER ZONE CHECK (.070 THICK)
259782	SPRING COMPARING UNIT PAWL

SELECTOR

236997	SLIDE DIGIT
231462	SPRING TRIGGER COMPRESSION
231459	TRIGGER ASM

SPECIAL FEATURES

347832	BAIL ASM
227863	CONTACT WIRE PROOF
232483	DOG REPEAT PRINT CLUTCH
231541	LATCH SPECIAL CHARACTER PAWL
231529	LEVER SPECIAL CHARACTER PAWL
232476	LINK TILT BACK STUD BOTTOM
231542	PAWL SPECIAL CHARACTER PAWL
232762	SPRING CHARACTER CHECKING LEVER
307527	SPRING EXTENSION

STACKER

231202	BELT CONVEYER
232845	BELT TIMING

ZONE

236996	ARM ZONE SETUP
231399	LATCH ZONE ARM
231400	SPRING ZONE LATCH
231361	SPRING ZONE SETUP ARM

923

PART NO.	DESCRIPTION
197823	ARM ASM-LEFT CLUTCH ENGAGING
197817	ARM ASM-RIGHT CLUTCH ENGAGING
123897	BEARING-407 BLOWER NS
191148	BEARING-407 BLOWER OS
156364	BEARING-BALL
25242	BEARING-PIN WHEEL SHAFT BALL
485034	B/M SHAFT ASM WORM WHEEL NS
197847	CAM-.072 CLUTCH ENGAGING
197848	CAM-.078 CLUTCH ENGAGING
197849	CAM-.083 CLUTCH ENGAGING
212492	CONTACT ASM-CIRCUIT BREAKER
197827	DETENT ASM-WHEEL STOP
219981	GEAR-PLATEN KNOB BEVEL
197831	KNOB-PLATEN CLUTCH SWITCH
216563	MOTOR ASM
197762	NUT ASM-PLATEN JAM
212337	NUT-VERNIER CLAMP
116550	SPRING ASM-NON OP INTER MAG CONT
116547	SPRING ASM-OP INTERPOSER MAG CONT
126885	WORM WHEEL NS

SPARE TYPEWRITERS

SYSTEM	SPARE TYPE	SPARE PART NO.
1410 AND 7040/4	1415	1269600
1014	1014	1269601
1620-2	1620-2	1269602
1030	1033	1269605
1050,360/30 PRIOR TO REDUCED FUNCTION,1440	1053-1	1269606
1050	1053-1 W/VERTICAL FORMS CONTROL	1269613
360/30 REDUCED FUNCTION	1052-8	1269607
360/40-UP REDUCED FUNCTION	1052-7	5185125
360 (2848)	1053-4	1269610
1801-02	1053-3	1269609
1070	1053-2	1269608
1130 REDUCED FUNCTION	1131	1269675
1130 FULL FUNCTION	1131	5152738
2740	835	1269611
2741	935	1269612
6420	767	1276678
6425	765	1276679
360/20	2152	1268407
1060	1062	1269614

NOTES

1051

PART NO.	DESCRIPTION
107666	FUSE FNM 5
107667	FUSE FNM 6 1/2

1052

PART NO.	DESCRIPTION
1124812	BELT MAIN DRIVE
219204	BUMPER RUBBER KEY
301612	BUTTON-START KEY OLD
1166415	CORD CARRIAGE RETURN
1166414	CORD TAB
737927	HOOD ACUSTICAL CLEAR
5353889	LAMP CLEAR MOD 7
734857	LAMP OP. PANEL 2030
5353890	LAMP RED MOD 7
1164600	RIBBON DRIVE MECH.
1164342	SPRING CARRIAGE DRIVE 100 IN
1134817	TAPE ROTATE
1134816	TAPE TILT
1167XXX	TYPEBALL XXX- BALL #
1145391	WHEEL DEGREE OP SHFT.

1054

PART NO.	DESCRIPTION
625248	ARM-SENSE
344124	ARMATURE-CLUTCH
734151	BELT-TAKE UP
328904	SPRING-ARMATURE
625239	SPRING-CLUTCH
123164	WIRE CONTACT READ

1055

PART NO.	DESCRIPTION
344124	ARMATURE-CLUTCH
730991	BELT- TAKE UP
328904	SPRING-ARMATURE
625239	SPRING-CLUTCH

1056

PART NO.	DESCRIPTION
734690	ARM-STAR WHEEL
197894	BRUSH-PROGRAM UNIT
602083	C.B.
734246	SHOE-FRICTION
211985	STAR WHEEL

1131

PART NO.	DESCRIPTION
2391023	LAMP CONSOLE
316455	LAMP DISKUNLOCK 55V
2129665	LAMP READY 14V

1232

PART NO.	DESCRIPTION
613655	BELT AIR PUMP DRIVE
631389	BELT MAIN MOTOR

1232 (CONT.)

628267	BELT PICKER
763085	BELT RESTRAINT
631063	BELT SEPARATOR
628119	FEED ROLL FIRST
2145149	FILTER SMS GATE
117403	FUSE FNM 4/10
107666	FUSE FNM 1/2
252591	FUSE FNM 1
2130253	FUSE 2.5 AMP
107667	FUSE FNM 6 1/4
511063	FUSE AGC 10
107669	FUSE FNM 10
362461	LAMP #327X OP PANEL
719293	LAMP CE PANEL NO BASE
550511	LAMP CE PANEL TEST
626908	LAMP FIBER OPTIC RD

1403

PART NO.	DESCRIPTION
473990	BELT MAIN DRIVE
474217	BELT TRACTOR
197894	BRUSH CARRIAGE READ
451529	CLEANER,TYPE CHAIN
322779	FUSE FNA 1/10
492658	FUSE,HAMMER DR.
252592	FUSE FNM 1 1/4
322784	FUSE FNA 2
334826	FUSE FNA 3
107666	FUSE FNM 5
369675	LAMP 261 E1 P/C
719293	LAMP INTLK. PANEL
477567	OIL HYDRAULIC GAL
638026	OIL HYDRAULIC-PINT
856744	PAPER GUIDE LT TRACTOR
856743	PAPER GUIDE RT TRACTOR
473813	RIBBON SHIELD
889524	SEALANT RIBBON SHIELD
528324	SWITCH END OF FORMS
474653	SWITCH FORMS CHECK
475415	THERMISTOR
856481	WRENCH HAMMER UNIT BOX

1403 MODEL 2

PART NO.	DESCRIPTION
524312	FILTER HAMMER BLOWER
474805	HAMMER PRINT
804642	HAMMER PRINT-PLASTIC INSERT
369675	LAMP #261 AUX. RIBBON DRIVE
475857	MAGNET PRINT LOWER
475856	MAGNET PRINT UPPER
475639	PIVIT TRACTOR DOOR
836885	RESIDUAL
836886	RESIDUAL
847032	ROLLER RIBBON CORRECT
889584	WIRE UCS CHAIN DRIVE

1403 MODEL N1

PART NO.	DESCRIPTION
838348	BELT COVER RAISE
473915	BRUSH CARRIAGE
833802	CABLE,COVER
856138	EMMITER GEAR
518409	FILTER MAIN BLOWER
254628	FUSE FNM 3/10
107663	FUSE FNM 2 1/2
2414871	LAMP 755 OP PANEL
856094	MAGNET PRINT
856056	NOSE CONE
856381	OIL PRINT TRAIN
856571	RESIDUAL
850253	ROLL,STACKER FEED
850248	STATIC ELIMINATOR
829728	SWITCH COVER INLK.

1412

PART NO.	DESCRIPTION
365976	BELT ALIGNER ROLL DR
365687	BELT PICKER
763085	BELT RESTRAINT
807444	BELT SEPERATOR
188692	BELT STACKER DECELO.
365874	BELT TRANSPORT FLAT
195390	CELL ASSY PCL
368052	FILM METAL
210470	FUSE FRN 5.6 AMP
69791	FUSE FRN 10 AMP
550511	LAMP CE PANEL AND POC
367180	LAMP OPER PANEL
195849	PRESSURE PAD CENTER
195847	PRESSURE PAD SLEEVE
365532	ROLLER ALIGNER
195642	STACKER DEFLECT. WIRE
365260	SWITCH POCKET JAM

1416

PART NO.	DESCRIPTION
853571	DECAL,ADHESIVE TYPE ID
856180	GEAR,IDLER
856194	GEAR,DRIVE

1419

PART NO.	DESCRIPTION
695028	BELT ALIGNER DRIVE
736757	BELT INTER-TRANSPORT
810790	BELT PICKER
807321	BELT READ DRUM DRIVE
835130	BELT RESTRAINT
807444	BELT SEPARATOR DRUM
807628	BELT STACKER DECELO.
889997	BELT TRANSPORT MAIN
736864	CAP STACK ARM SPRING
368052	FILM METAL
304883	FUSE MDL 1 1/4
760663	LAMP #336 OP SWITCH
550511	LAMP CE PANEL
749414	LAMP M.O.D. SENSOR
719293	LAMP OP PANEL NO BASE
852343	LAMP P.D.S.
2391044	LAMP STACKER FULL

1419 (CONT.)

839418 MOTORIZED GATE
810624 P.D.S. PHOTO ASSY.
195849 PRESSURE PAD CENTER
195847 PRESSURE PAD SLEEVE
807403 SPRING LT. STACK ARM

807396 SPRING RT. STACK ARM
807398 STACKER DEFLECT. WIRE
399039 SWITCH FILM LOWER
399040 SWITCH FILM UPPER
736932 SWITCH STACKER JAM
399212 WHEEL ALIGNER

NOTES

1442 MODEL N1

PART NO.	DESCRIPTION
637941	CARD WEIGHT NO EARS
336675	CARD WEIGHT W/EARS
117403	FUSE FNM 4/10
303549	FUSE MDL 1
505077	FUSE MDL 1 1/2
107664	FUSE FNM 3 2/10
123786	FUSE MTH 5 110 CE
107666	FUSE FNM 5 220 CE
261853	FUSE ABC 8
612913	GREASED WICK INC. DR.
612157	GREASED WICK OP. CAM
612405	GREASED WICK PUNCH
603850	KNIFE PICKER
760663	LAMP 336 OP. PANEL
626908	LAMP FIBER OPTIC RD.
2391023	LAMP IND
626908	LAMP READ
639390	WRENCH,HEX,ADJ PUNCH MAG

1443

PART NO.	DESCRIPTION
366291	BELT CARRIAGE DRIVE
197894	BRUSH CARRIAGE READ
814126	DRIVER LAMP S.C.R.
820294	FILTER SLT GATE
252590	FUSE FNM 6/10
2391121	LAMP OPER PANEL
740660	LAMP SOLAR TYPEBAR
820309	MAGNET HAMMER
749561	MOTOR PLATEN DRIVE
740778	ROLLER RIBBON IDLER
749503	SHIELD RIBBON
228093	SWITCH RIBBON REV.
749295	TAPE,SEGMENT

2020

PART NO.	DESCRIPTION
229-5046	CPU ERROR LOGS
2414895	DIODE TROS REPLACE
4204141	FILTER A GATE
4204138	FILTER B GATE
4033431	FILTER G GATE
4203547	FILTER POWER SUPPLY
4034386	FILTER SMS GATE
78952	FUSE MDL 8/10
107664	FUSE FNM 3 2/10
107665	FUSE FNM 4
107668	FUSE FNM 8
107669	FUSE FNM 10
492658	FUSE 1403 HAMMER DRIVER
2392072	LAMP-BRIGHTER 2391023
2391023	LAMP OP/CE PANEL
419174	LAMP POWER ON 327
2391121	LAMP STOP

2020 SUB-5

PART NO.	DESCRIPTION
4685031	CONSOLE ERROR LOGS
4681518	FILTER J AND K GATE
4681517	FILTER M AND H GATE
4681641	FILTER POWER SUPPLY C9 TO CURRENT
826253	FILTER POWER SUPPLY PRIOR TO C9
303549	FUSE 1.0 AMP MLD
615683	FUSE 2.0 AMP
332009	FUSE 2.0 AMP MDL
1143492	FUSE 4.0 AMP
512137	FUSE 5.0 AMP
511063	FUSE 10.0 AMP
107669	FUSE 10.0 AMP FNM
121924	FUSE 12.0 AMP FNM
596676	FUSE 15.0 AMP ABC
2391062	LAMP ATTN PANEL
2392072	LAMP BRIGHTER 2391023
5372182	LAMP CE AMBER
5372183	LAMP CE CLEAR
5372848	LAMP CE RED
2391023	LAMP OPER PANEL AND BSCA
2122160	LAMP POWER ON
2391121	LAMP STOP
483542	SWITCH PWR ON, LOAD
553380	SWITCH START, SYS AND I/O RES AND T, LOAD, PWR OFF

2030

PART NO.	DESCRIPTION
207390	FILTER COMPRESSOR
838489	FILTER CORE ARRAY
838501	FILTER CORE HEATER
827475	FILTER CORE NEW
836685	FILTER CROS BLWR NEW
333488	FILTER CROS BLWR OLD
824368	FILTER H/F P.S.
825969	FILTER M/P P.S.
824333	FILTER SLT GATE
825617	FILTER COMPRESSOR
252590	FUSE FNM 6/10 M/P
107664	FUSE FNM 3 2/10 M/P
107667	FUSE FNM 6 1/4 M/P
5261394	FUSE INV/CONV
5373660	HOUSING OP SWITCH
362461	LAMP 327X POWER ON
719439	LAMP,POWER ON
5372183	LAMP AMBER PLUG IN
5372182	LAMP CLEAR PLUG IN
2391023	LAMP CONSOLE NO BASE
586305	LAMP THERMAL O/C
814008	SCR LAMP DRIVER PLUG
5801239	SLT DECODE CROS
5801269	SLT DRIVER CROS A
5801270	SLT DRIVER CROS B

M/P - MID-PACK
P.S.- POWER SUPPLY

2040

PART NO.	DESCRIPTION
813234	DRIVER LAMP SCR
5355538	FILTER,CORE BOTTOM
5349615	FILTER H/F P.S.
5355571	FILTER,MEMORY SLT
5392954	FILTER M/P P.S.
5349889	FILTER SLT GATES
5443204	FILTER TROS SLT
5349615	FILTER W/F PWR. SUP.
303805	FUSE AGC 1/4 EPO
6325	FUSE AGC 1 EPO
303549	FUSE MDL 1
3344	FUSE MBK 2 W/F
332009	FUSE 2 AMP INV/CON
107664	FUSE FNM 3 2/10
111257	FUSE MTH 4
511063	FUSE ABC 10
362461	LAMP 327X POWER ON
5711080	LAMP AMBER CE PANEL
5711078	LAMP CLEAR CE PANEL
5372183	LAMP CLEAR ROS PANEL
5711079	LAMP RED CE PANEL
7511081	LAMP RED W/F
5711084	LAMP THERMAL AND O/L
419174	LAMP,POWER ON

W/F - WALL FRAME

2065

PART NO.	DESCRIPTION
5357013	FILTER,GATE SLT
5353889	LAMP,CLEAR
5353883	LAMP,AMBER

2260

PART NO.	DESCRIPTION
5728554	ALIGN TOOL 5INCH
2572882	ALIGN TOOL 11INCH
219204	BUMPER RUBBER KEY
5239698	CIRCUIT BOARD
78999	FUSE MDL 1/2
5213806	FUSE 1.6 AMP
5214150	FUSE GBB 3
338165	FUSE MDL 3
227582	KEYSTEM KEYBOARD
5239698	PRINTED CIR BOARD
312489	RETAINER,NYLON KEYSTEM QTY 1=1 FT.
5719249	SWITCH,CIR BOARD
5213747	TUBE 1X28
5213749	TUBE 8B10
5213752	TUBE 15BD11
5214858	TUBE 17BE3
5213750	TUBE 21HB5
5213748	TUBE 33GY7

2311

PART NO.	DESCRIPTION
2155966	ALCOHOL
2180439	BELT DRIVE MAIN
2267733	BRUSH CLEAN CYCLE
2244031	COVER PACK BOTTOM
2162872	DETENT ASSEM
2285318	DETENT DIAPHRAGM
2160715	FILTER MAIN HOUSING
2162837	FILTER PACK NEW
2162552	FILTER PACK OLD
2180475	FILTER REAR INTAKE
303549	FUSE MDL 1
111257	FUSE MTH 4
107668	FUSE FNM 8
2180560	HEAD A UP
2180561	HEAD A DOWN
2180562	HEAD B UP
2180563	HEAD B DOWN
2162567	KIMWIPES BOX
2414924	LAMP,START-STOP
5414571	LAMP 382 OLD S-S SW.
316455	LAMP 1835 READY
173104	MOTOR,FAN 115V
172999	MOTOR,FAN 230V
2162623	MOTOR,ASM.DRIVE
2164584	OIL HYDROLIC QT
2108474	PADDLE HEAD CLEANING
2154208	RING,RETAINING HEAD LOAD BAR
2218040	RING,RETAINING TORSION ROD
1073418	RING,RETAINING PIN,HEAD LOAD CAM FOLLOWER
1073418	RING,RETAINING-PIVOT ROLLER YOKE
2154307	RING,RETAINING SHAFT,DETENT & TRACK POS.
2181329	ROLLER ASSEM. RAMP
738828	SWITCH,CE BUFFER PANEL
738826	SWITCH,(SPDT)CE BUFFER PANEL MAINT.
741349	SWITCH,(SPDT) CONSOLE M/S WHITE
725347	SWITCH,(SPDT) CONSOLE
2244107	TUBE DETENT
596763	TAPE SEALANT

NOTES

2314

PART NO.	DESCRIPTION
2285316	BELT DRIVE 60HZ
2267731	BRUSH CLEANING CYCLE
2200106	BRUSH HEAD
2285318	DIAPHRAM DETENT
5353877	FAN ASM-GATE A
2218105	FILTER 2316 PACK BTM
5357013	FILTER B GATE
2250816	FILTER DRAWER LARGE
2218349	FILTER DRAWER SMALL
2218348	FILTER MAIN ABSOLUTE
2128556	FILTER POWER SUPPLY
2184104	FILTER SLT MAIN GATE
5374369	FILTER TROS SLT GATE
111256	FUSE AGC 1 1/2
6324	FUSE AGC 3
111257	FUSE AGC 4
107667	FUSE FNM 6 1/4
107668	FUSE FNM 8
596676	FUSE 15 AMP
5353887	HOUSING,LAMP FOR CE PANEL
827840	HOUSING,LAMP FOR DRIVE READY
5353883	LAMP AMBER CE PANEL
5353889	LAMP CLEAR CE PANEL
5362163	LAMP DRIVE READY
5440629	LAMP GREEN CE PANEL
5353890	LAMP RED CE PANEL
172999	MOTOR,FAN 230V
2250960	R/W HEAD A-DOWN
2250962	R/W HEAD A-UP
2250961	R/W HEAD B-DOWN
2250963	R/W HEAD B-UP
2121517	SEAL,CARRIAGE PISTON
2108626	WRENCH ALLEN,HEAD ADJUST

2321

PART NO.	DESCRIPTION
2232611	FILTER,3.0 MICRON CARD.ELEMENT
2173629	FILTER 0.3 MICRON
2173129	FILTER BLOWER
2174036	FILTER CELL
2174365	FILTER FINAL AIR
2232216	FILTER MUFFLER ELEM
2200032	FLUID STRIP CLEANING
322781	FUSE FNA 1/2
107663	FUSE FNM 2 1/2
334829	FUSE MIC 4
107667	FUSE FNM 6 1/4
107668	FUSE FNM 8
363404	LAMP 10X OP. PANEL
5353883	LAMP AMBER CE PANEL
5353889	LAMP CLEAR CE PANEL
5353890	LAMP RED CE PANEL
2176421	LAMP SOLAR SHUTTER

2400

PART NO.	DESCRIPTION
	REEL,TAPE-TAKE UP SEE REEL TAPE SECTION
5363653	R/W HEADS 7 TRACK MOD 1
5361950	R/W HEADS 9 TRACK MOD 1
5397642	R/W HEADS 7 TRACK MOD 2
5397643	R/W HEADS 9 TRACK MOD 2
5363666	R/W HEADS 7 TRACK MOD 3
5355970	R/W HEADS 9 TRACK MOD 3

2400 (CONT.)

5417958 R/W HEADS 9 TRACK MOD 4
5417959 R/W HEADS 9 TRACK MOD 5
5417960 R/W HEADS 9 TRACK MOD 6
5356195 TERMINATOR MOD 1
5417910 TERMINATOR MOD 2
5373693 TERMINATOR SIMS MOD 1
5417978 TERMINATOR SIMS MOD 2

NOTES

2401

PART NO.	DESCRIPTION
752365	BELT REEL DRIVE
695028	BELT REEL DR MOD 1/4
512449	BLADE CLEANER
322581	BOLT EXTENSION
2162909	CABLE CLAMP ASM 3/4
2162911	CABLE CLAMP ASM 7/8
2501478	CABLE,WINDOW RIGHT
2501479	CABLE,WINDOW LEFT
5372671	CAPSTAN MOD 1/4
5391710	CAPSTAN NEW
554148	CAPSTAN OLD
453511	CLEANING FLUID TAPE
2108930	CLOTHS LINT FREE 10
5409269	ERASE HEAD NEW
352502	ERASE HEAD OLD
348425	FILTER METAL SMS GT
5357064	FILTER SMS GT TCU
517821	FILTER TOP INTAKE
5420301	FUSE GFB 3/4 PE ONLY
5373660	HOUSING OP. SWITCH
352465	KIT TAPE CLEANING
516188	LAMP 328 LP EOF
2414970	LAMP 757 PWR-CK
517791	LAMP HSRW
316455	LAMP,OP PANEL
5362163	LAMP OPER PANEL
5212657	LAMP PWR-OFF
5331873	LATCH REEL
5383004	PIN,CE PANEL
5344963	PELLET NYLON REEL
526253	PULLEY PROLAY IDLER
362130	SCREW FOR OLD CAPSTAN
5344985	SHAFT ASM. L REEL
5344984	SHAFT ASM. R REEL
528511	SHAFT PROLAY IDLER
526035	STOP,CAPSTAN
5397648	SWITCH VAC NRZI
2507427	SWITCH VAC PE 9.5V
526898	TRANSISTOR 022 NRZI
460947	T-HANDLE PROLAY ADJ.
2414801	TRANSISTOR 132 PE
5344955	WASHER REEL LATCH

PROLAY REBUILDING

528545	DUST COVER CAVITY
528524	HOUSING COIL SET
528607	RESIDUAL STOP
352028	RESIDUAL STRIP .002
2507318	RESIDUAL STRIP .003
528606	RETAINER WIRE SHAFT
67873	SCREW SELF TAP FOR GREEN COIL DUST COVER
526233	SHAFT MAIN ARM PIVIT
2507157	SHIM STRIP .001 IN
350651	SHIM STRIP .003 IN
2507156	SHIM WASHER .001 IN
350650	SHIM WASHER .003 IN

2415

PART NO.	DESCRIPTION
5414145	BELT VAC MOTOR
5414360	BRAKE ASSEMBLY
5420658	CAPSTAN
453511	CLEANING FLUID TAPE
2108930	CLOTHS LINT FREE 10
5357064	FILTER P.S. AND SMS
5213806	FUSE MDX 1 6/10

2415 (CONT.)

615683	FUSE MDX 2
111257	FUSE MTH 4
261853	FUSE ABC 8
107668	FUSE FNM 8
596676	FUSE ABC 15
352465	KIT TAPE CLEANING
5331873	LATCH REEL
5414571	LAMP 382 T1 AND EOF
5362352	LAMP CLEAR CE PANEL
2414970	LAMP OPER. PANEL 767
5362323	LAMP RED CE PANEL
5344963	PELLET NYLON REEL
2511795	SCR REEL DRIVE
5414552	TRIAC REEL DRIVE
5344955	WASHER REEL LATCH

2420

PART NO.	DESCRIPTION
453511	CLEANING FLUID TAPE
2108930	CLOTHS LINT FREE 10
2512074	FILTER 5 MICRON
2512073	FILTER 10 MICRON
2502261	FILTER GATE
2513450	FUSE
2513694	FUSE
111255	FUSE AGC 3/4
78951	FUSE MDL 1.6 AMP
5214299	FUSE 3.0 AMP
123786	FUSE AGC 5.0 AMP
511063	FUSE AGC 10
596676	FUSE 15 AMP
615683	FUSE,DOOR 2.AMP MDX
352465	KIT TAPE CLEANING
2129665	LAMP #1815 OP PANEL
2501576	LAMP SENSOR
2512020	SWITCH CARTRIDGE SNS

NOTES

2501

PART NO.	DESCRIPTION
364156	BELT DRIVE 600 CPM
644269	BELT DRIVE 1000 CPM
644193	BELT EMITTER DRIVE
644378	BELT INJECT DRIVE
644269	BELT MAIN MOTOR DR.
644201	BELT MULE HITCH ASSY
612687	BELT STACKER FEED DR
637941	CARD WEIGHT NO EARS
336675	CARD WEIGHT W/EARS
814126	DRIVER LAMP S.C.R.
820294	FILTER,GATE SLT
117403	FUSE FNM 4/10
111262	FUSE MDL 4/10
303549	FUSE MDL 1
228391	FUSE FNM 1 6/10
107666	FUSE FNM 5
2130253	FUSE MDX 6 1/4
665699	KNIFE PICKER
369675	LAMP #261 REG READ
626798	LAMP ASSY READ
642197	LAMP ASSY REGISTER
2391121	LAMP OP PANEL

2540

PART NO.	DESCRIPTION
610275	BRUSH BLOCK ASSY
609798	BRUSH READ
602324	BELT CONTACT ROLL
603764	BELT FILE FEED TRACT
609124	BELT READ CLUTCH
607578	BELT,TIMING-PCH UNIT DR.
613653	CAM DR.FILE FEED
637941	CARD WEIGHT PUNCH
649567	CARD WEIGHT READ 51 C
613488	CARD WEIGHT READ 80 C
335010	FUSE GLD 1
253675	FUSE GLD 3
107664	FUSE FNM 3 2/10
104909	FUSE GLD 5
649892	GREASED WICK PUNCH
603850	KNIFE PICKER PUNCH
665699	KNIFE READER FEED
363404	LAMP 10X OP PANEL OLD
2414871	LAMP 755.OP PANEL NEW
642197	LAMP CARD LEVER S.C.
5235045	LAMP SMS BACKPANEL
609778	ROLL,CONTACT 1 ST READ
603547	ROLL,CONTACT 2 ND READ
613847	ROLL,PUNCH CONTACT
216067	WIRE STACK DEFLECT.

NOTES

2560

PART NO.	DESCRIPTION
638852	BELT-TIMING 1ST PRINT EJECT TO 2ND PRINT EJECT
638850	BELT-TIMING 2ND PRINT EJECT TO CORNERING STA INJEC
640650	BELT-TIMING 2ND PRINT EJECT TO RIBBON DRIVE
638847	BELT-TIMING 2ND PUNCH EJECT TO 1ST PRINT EJECT
613653	BELT-TIMING 60 CYCLE MOTOR TO STACHER
612687	BELT-TIMING HOPPER INPUT
638857	BELT-TIMING JACKSHAFT TO EJECT IDLER
638119	BELT-TIMING JOGGLER DRIVE SHAFT TO STACHER TRANSP
638854	BELT-TIMING JACKSHAFT TO READ FEED IDLER
642603	BELT-TIMING MOTOR TO PRINT UNIT-ONE UNIT
638977	BELT-TIMING MOTOR TO PRINT UNIT 2 OR 3 UNIT
638859	BELT-TIMING MOTOR TO TRANSPORT IDLER
612674	BELT-TIMING MULE HITCH TO JACKSHAFT
638846	BELT-TIMING PREPUNCH REG ROLLS TO 1ST PUNCH EJECT
638856	BELT-TIMING PRE-READ IDLER TO HOPPER IDLER
638855	BELT-TIMING PRE-READ IDLER TO READ INJECT TO HOP
639976	BELT-TIMING PRINT UNIT 2 TO 3
364156	BELT-TIMING PUNCH PUSHER TO 1ST PUNCH EJECT
612445	BELT-TIMING PUNCH UNIT
609058	BELT-TIMING READ FEED IDLER TO READ STATION
640464	BELT TIMING-STACKER TRANSPORT
638970	BELT-TIMING TRANSPORT IDLER TO JACHSHAFT
638858	BELT-TIMING TRANSPORT IDLER TO PUNCH UNIT
642130	FILTER SLT GATES
111254	FUSE ACC 3/8
228391	FUSE FNM 1 6/10
92734	FUSE FNM 2
107664	FUSE FNM 3 2/10
107666	FUSE FNM 5
107667	FUSE FNM 6 1/4
332617	FUSE ABC 10
634535	INCREMENTAL DRIVE OLD
645700	INCREMENTAL DRIVE UNITIZED
623734	INC. DR. CONVERSION B/M TO UNITIZED
638220	LAMP CARD LEVER SOLAR
2391204	LAMP OP PANEL
643052	LAMP READ STATION FIBRE OPTICS
640117	PUNCH UNIT ASM-MODEL C-A1
641405	PUNCH UNIT ASM-MODEL C-A2

2701

PART NO.	DESCRIPTION
5357013	FILTER DBL SLT GT
1143439	FILTER P.S.
5357064	FILTER SNGL SLT GT
78999	FUSE MDL 1/2
228391	FUSE FNM 1.6 AMP
107669	FUSE FNM 10 AMP
640830	GAGE,FEELER
719439	LAMP,POWER ON
362461	LAMP 327X POWER ON
2414970	LAMP 757 OFF LINE
2125534	LAMP CB/THERMAL

2702

PART NO.	DESCRIPTION
5357013	FILTER SLT GATE
5357064	FILTER SMS GATE
78999	FUSE MDL 1/2
228391	FUSE FNM 1.6 AMP
92734	FUSE FNM 2
107668	FUSE FNM 8 AMP
107669	FUSE FNM 10 AMP
5353889	INDICATOR ASM 3V
362461	LAMP #327X OP PANEL
2414970	LAMP 757 OP PANEL NFW
5353883	LAMP AMBER CE PANEL
5353889	LAMP CLEAR CE PANEL
5353890	LAMP RED CE PANEL

2703

PART NO.	DESCRIPTION
5150238	FILTER POWER SUPPLY
5357013	FILTER SLT GATE
111261	FUSE MDL 1/4
1176668	FUSE 1.5 AMP
107667	FUSE FNM 6.25 AMP
362461	LAMP #327X OP PANEL
2414970	LAMP #757 OP PANEL
5353883	LAMP AMBER CE PANEL
5353889	LAMP CLEAR CE PANEL
5440629	LAMP GREEN CE PANEL
5353890	LAMP RED CE PANEL

2740

PART NO.	DESCRIPTION
1187393	LAMP 2740-2
5372848	LAMP CE IND RED
5372183	LAMP CE IND WHITE
2391023	LAMP RD
1176839	LIGHT BLANK WHITE
1186024	LIGHT LETTER B 2740
1176836	LIGHT LETTER R 2740
1176834	LIGHT LETTER S 2740
1176835	LIGHT LETTER T 2740
1176838	LIGHT RED BLANK 2740
1277207	LIGHT RED BLANK 2970
1176837	LIGHT YELLOW BLANK 2970

2821

PART NO.	DESCRIPTION
826253	FILTER P.S. MOD 1-2-4
836253	FILTER P.S. MOD 3-5
826413	FILTER SMS GATE
253638	FUSE GLD 3/4
252592	FUSE FNM 1 1/4
107663	FUSE FNM 2 1/2
107664	FUSE FNM 3 2/10
107669	FUSE FNM 10
210473	FUSE FRN 17 1/2
492658	FUSE PRINT MAG DRVR
586305	LAMP 1762 PWR-ON CB
5235045	LAMP SMS BACKPANEL
373354	SMS HAMMER DRIVER

2841

PART NO.	DESCRIPTION
2126556	FILTER POWER SUPPLY
2184104	FILTER SLT MAIN GATE
5374369	FILTER TROS SLT GATE
369613	LAMP 235 PWR-ON
5353883	LAMP AMBER CE PANEL
5353889	LAMP CLEAR CE PANEL
5353980	LAMP RED CE PANEL

2848

PART NO.	DESCRIPTION
841000	DELAY LINE
813234	DRIVER LAMP
5357064	FILTER SMS GATE
5214430	FUSE 2 AMP
5214299	FUSE 3 AMP
107664	FUSE FNM 3 2/10
5214302	FUSE 8 AMP
511063	FUSE AGC 10
107669	FUSE FNM 10
362461	LAMP #327X OP PANEL
2129665	LAMP #1815 OP PANEL
5353889	LAMP CLEAR CE PANEL
5353890	LAMP RED CE PANEL
5711084	LAMP RED CE PANEL

3135

PART NO.	DESCRIPTION
1573515	FILTER,GATE A
1573513	FILTER,GATE B
1994488	FILTER,GATE C
5421623	FILTER,GATE 02A IPA
816645	JUMPER ASM.SINGLE
815925	JUMPER ASM.DOUBLE
815924	JUMPER STRIP
815923	JUMPER HOUSING
5159491	JUMPER ASM.STRIP
2605981	LAMP,(N/S)ROLLER BLIND SENSE
2605699	LAMP,(O/S)ROLLER BLIND SENSE
719439	LAMP,POWER ON 24V
2391121	LAMP,ROLLER BLIND DISPLAY
5499810	LAMP,RED 4.5V
5499811	LAMP,AMBER 4.5V
5499812	LAMP,CLEAR 4.5V
5499814	LAMP,GREEN 4.5V
5499815	LAMP,RED 24V
725791	LENS,RED LAMP

3203

PART NO.	DESCRIPTION
1555834	BAG,DUST POT ASM.
1555576	BELT,CARRIAGE ASM.
1555759	BELT,V REAR UNIT
2538773	BELT,POWER STACKER
1555459	BELT,TRACTOR ASM.
1894208	BELT,TRAIN DRIVE
1555830	BELT,V VACUUM ASM.
1555451	COVER,TRACTOR-RIGHT
1555058	COVER,TRACTOR-LEFT
1555540	DOOR,SLIDING
5357064	FILTER,GATE 01A,PEB
2391121	LAMP,READY-INC 4.5V 200MA

3203 (CONT.)

1555837	O-RING,VACUUM ASM.
1555837	RESIDUAL
1894067	ROLL,FRICTION-REAR UNIT
1894379	SCREW,KNURLED
1555372	SHIELD,RIBBON
1893748	SHIELD,CHAD
2629869	SWITCH,RESTORE-ALL
738826	SWITCH,SPDT MAINTAINED-CONT.PANEL
738828	SWITCH,SPDT MOMENTARY-CONT.PANEL
856314	SWITCH,MICRO-CORRECTION UNIT

3211

PART NO.	DESCRIPTION
2471435	BAG,VACUUM
2361647	BELT,STACKER FD SHORT
2361648	BELT,STACKER FD -LONG
2471620	FILTER,BASE LT
851855	FILTER,CHANNEL REAR RT
2631478	FILTER,VACUUM
2646297	PRINT MAG.
4253798	ROLL,STACKER FEED
5356431	. SHIM-STACKER FD ROLL
4688133	. SPACER-STACKER FD ROLL
649618	. WASHER-STACKER FD ROLL
2631954	STRIP,FORMS LAD

3215 - CHECK MACHINE TYPE 3286

3286/3215

PART NO.	DESCRIPTION
2629958	ARM ASM,CAM FOLLOWER
2495683	BELT,FAN DR.
857572	BELT,MAIN DR.
323921	CABLE,COAXIAL RG62-AU
2526921	CAM INDEX ASM.
2495650	CAM,STAND OFF
5252643	CONNECTOR,AMPHENOL EXTENDER BNC TO BNC
5214874	CONNECTOR,AMPHENOL FEMALE BNC
2495727	HANDLE,TOP COVER
2525948	INTERLOCK COVER SWITCH
2526409	LAMP,DRIVER SCR
2391121	LAMP,INCAND 4.5V 200MA-CONSOLE
2397045	LAMP,READY
1804817	LINK,INDEX PAWL DR.
2495529	MOTOR,STEPPER
2526911	NUT,NYLON CARRIER
1203782	PIN WHEEL ASM. LEFT
1203781	PIN WHEEL ASM. RIGHT
1136970	RIBBON,REPLACEMENT
2632584	SHAFT ASM.RIBBON DR.
804707	SWITCH,TOGGLE
1202515	SWITCH,SLIDE 3P3T
2629750	SWITCH,SLIDE-CARRIAGE MOTION
1142268	SWITCH,SLIDE-CARRIAGE MOTION (N/S)
854610	TRANSDUCER ASM.
2642563	TRANSDUCER STEPPER MOTOR ASM. 110V
2642565	TRANSDUCER STEPPER MOTOR ASM. 110/220V

3330

PART NO.	DESCRIPTION
2274430	FILTER,INTAKE
2306389	FILTER,CONTROL UNIT
1573513	FILTER,CONTROL UNIT
2200572	TOOL,RIGID CLEANING

3340

PART NO.	DESCRIPTION
2745563	BELT,DRIVE ASM.(DISK)
2396767	DIODE,LIGHT EMITTING
2744216	FILTER,AIR SYSTEM-PRIMARY
2745108	FILTER,DC COMPARTMENT
2746061	FLIPPER,READ ONLY
2744519	LAMP,OPERATOR CONSOLE
2122160	LAMP,POWER ON
479319	SWITCH,INTERFACE SELECT
479320	SWITCH,PROG.CONT.PANEL
2304529	SWITCH,SUPPORT ASM/MOTOR
738825	SWITCH,SPST PWR.CONTROL/PANEL
483575	SWITCH,POWER ON/OFF
2344639	SWITCH,MICRO-CART ASM/LOAD
2344639	SWITCH,MICRO-INTERFACE ASM.
725347	SWITCH,SPDT-OPER PANEL ASM.
2745584	SWITCH,VACUUM/PRESSURE
2745565	MOTOR,DRIVE
2745958	MOTOR,CAM DRIVE

3504/3505

PART NO.	DESCRIPTION
2447090	ROLL,IDLER
2447271	BELT,STACKERS LH
2447734	BELT,STACKERS RH
2447326	SHAFT,FEED ROLL ASM.

3410/3411

PART NO.	DESCRIPTION
2517804	BELT,V PNEUMATIC
2503537	FAN ASM.
2517715	FILE PROTECT ASM.
2524719	FUSE,CIR.BD.ASM.(F1,F2) 25AMP
2518299	HINGE,LOWER-COLUMN DOOR
2518300	HINGE,UPPER-COLUMN DOOR
2517564	INDICATOR ASM. TAPE
2517850	LATCH ASM. REEL
2391022	LAMP,CIRCUIT BD.ASM.
1524727	LAMP RETAINER FOR 2391022
7025959	LAMP,OPER.PANEL
725347	SWITCH,SPDT CLOCK OPER.PANEL
5420117	SWITCH,PWR.CONTROL ASM.
5420118	SWITCH,PWR.CONTROL ASM.
2513581	SWITCH,PRESSURE RH-TRANP.ASM.
2517780	SWITCH,PRESSURE LH-TRANP.ASM.
2517780	SWITCH,PNEUMATIC MOTOR

3420

PART NO.	DESCRIPTION
2522879	BLOWER,VAC
1767648	FILTER,BASE N/S
2513133	FILTER,BASE O/S
2522864	CAPSTAN MOTOR

3420 (CONT.)

1766960	CAPSTAN MOTOR 3420 S/N 90001-99999
2523704	CAPSTAN TACH
615683	FUSE,WINDOW 2 AMP.
2513050	GLASS DOOR
2523200	HEAD,R/W
2129665	LAMP,INSPECTION & PANEL
643052	LAMP,OPTICS
2513587	MOTOR,WINDOW
2523013	PISTON
827842	SWITCH,HOUSING OP PANEL
2523057	TACH,LEFT REEL
2523056	TACH,RIGHT REEL
1766936	TRANSISTOR 132

3505

PART NO.	
2447693	BAG,VACUUM CLEANER
603764	BELT,FILE FEED
2447147	BELT,FLAT BLOWER DRIVE
2447476	BELT,MOTOR 800 CPM
2447147	BELT,MOTOR 1200 CPM
2447048	BELT,TRANSPORT STACKER SELECT
2447243	BLOWER ASM.
2447664	FILTER,BLOWER ASM.
223948	FILTER,MST GATE
2447475	GUARD,FILE FEED BELT
2447357	JACKSHAFT ASM.
5372183	LAMP,CE PANEL
2391121	LAMP,OPERATOR PANEL
2391654	LAMP,READ
2544151	LINK,HOPPER DOOR
2447514	PHOTO CELL (ONE PIECE)
2447464	PULLEY,FILE FEED IDLER
2447563	READ BOARD ASM.(N/S)
2447041	ROLL ASM.BLUE
2447139	ROLL ASM.STACKER SELECT
2447316	SHAFT ASM.ECCENTRIC
2544877	SPRING,PRE READ GUIDE 800 CPM
2544015	SPRING,PRE READ GUIDE 1200 CPM
2447206	SPRING,STACKER GUIDE
2544900	SWITCH ASM.EDS

3525

PART NO.	DESCRIPTION
2768742	ARMATURE,FEED CLUTCH
437678	ARMATURE,PUNCH MAG.
731022	BELT,GENEVA DRIVE
630079	BELT,IDLER DRIVE
637941	CARD WEIGHT
2773646	CHAIN ONLY EBCDIC
2768610	CHECK CRYSTAL ASM.
375525	CHOPPER BOARD
2503985	COUPLING,RIBBON DRIVE
2591452	FILTER,LOGIC GATE
492658	FUSE,PRINT MAG.
2773889	GEAR,6TH LOWER FD ROLL
2768680	GENEVA
2768723	HOPPER BED PLATE
2391121	LAMP,PANEL
437722	LINK,INTERPOSER
2773955	MAG. PRINT

3525 (CONT.)

450238	OIL,GENEVA #15 PINT
450133	OIL,PRINT CHAIN #12 QUART
2544209	PIVOT,JOGGLER PLATE
2773775	PRINT SHIELD ASM.
2773166	SENSOR L.E.D.
26513	SPRING,LATCH RESTORE
2596313	SWITCH,COVER INTERLOCK
2768416	VACUUM BAG

3704

PART NO.	DESCRIPTION
2396771	DISPLAY-HEX
1770404	FILTER,AIR TSR
1770405	FILTER,AIR GATE
5997535	INDICATOR,LED
5420168	LAMP,PWR.FAULT INDICATOR

3705

PART NO.	DESCRIPTION
5993182	FILTER,MEMORY GATE
5993133	FILTER,HEAT SINK TOWER
2590223	FILTER,GATE
98608	LAMP,GE 44
2414970	LAMP,GE 757
5499811	LAMP,AMBER 4.5V
5499812	LAMP,GRAY 4.5V

NOTES

3890

PART NO.	DESCRIPTION
2642763	ALIGNER,DISK
1812412	BAND ASM.
2642630	BELT,MERGE FEED
835130	BELT,MERGE FEED RESTRAINT
2642951	BELT,PICKER
2643159	BELT,RESTRAINT
2643260	BELT,STACKER MODULE POCKET
2643224	BELT,STACKER MODULE TRANSPORT(LONG)
2643159	BELT,SEPARATOR
2643275	BLADE ASM.STACKER MODULE
2644964	BRUSH ASM.
1798891	BUMPER,RUBBER-POCKETS
1813948	COVER COUNTER BALANCE-SM
2396767	DIODE,LIGHT EMITTING
368052	FILM
1816339	FILTER,AIR SUPPLY LOWER
1816340	FILTER,AIR SUPPLY UPPER
216365	FILTER,BAG (O/S)
1820145	FILTER,BAG (N/S)
838489	FILTER,CORE
838501	FILTER,CORE HEATER
1813967	FILTER,FEED MODULE
1809989	FILTER,GATE A
2156021	FILTER,POWER SUPPLY
830259	FILTER,STACKER GATE
1813967	FILTER,STACKER
451205	FODDER TEST DOCUMENTS
1814305	HEAD ASM. INF PRINT
814007	HEAT SINK COMPOUND
1814364	INK,INF
1803631	MDD TEST DOCUMENTS
1798774	PRESSURE GAGE TIP
2396894	RELAY,SOLID STATE 2.5 AMPS
2396895	RELAY,SOLID STATE 10.0 AMPS
1589231	RELAY,SOLID STATE 40.0 AMPS
1815629	SCHMIDT COUPLING ASM.
2642690	SENSOR
2643311	SENSOR JOGGER
1809958	SENSOR,MDD
1803535	SENSOR SEPARATOR
2642903	SEPARATOR VALVE ASM.
2643363	SPRING,GRASSHOPPER

5028

PART NO.	DESCRIPTION
5394242	BELT,MOTOR 47T
5394130	BELT,PRINTER
5131981	ELECTRICAL ASM.
5131982	KEYBOARD ASM.
5394101	KNOB,PLATEN
5354809	LAMP,OPERATOR PANEL
2703657	LAMP,POWER ON
5394315	MOTOR,DRIVE
5394248	.GEAR,MOTOR OPERATIONAL
5394243	.GEAR,MOTOR
5131415	PLATEN
5393832	PRINTHEAD,RUBBER
5131983	PRINTER ASM.
5131985	PUNCH,PAPER TAPE ASM.
5131986	READER,PAPER TAPE ASM.
5131169	SWITCH,PRINTR/FUNC SHFT MECH.
2704016	TYPE WHEEL

5010/5012/5013/5014/5026
SYSTEM 7

PART NO.	DESCRIPTION
2745557	BRAKE ASM.
2745581	BUTTON,GROUND
5130805	CABLE,TEST ANALOG OUTPUT 10 FT.
2703978	CABLE,CALIB ANALOG INPUT
2703624	FAN ASM. A2 RIGHT SIDE
2703947	FAN ASM. A2 LEFT SIDE
5313850	FAN ASM. C3 TOP
2703922	FAN ASM. GATES A1,2,3
2703923	FAN ASM. GATE A4
2703946	FILTER,A2 RIGHT SIDE
725204	FILTER,A2 LEFT SIDE
725204	FILTER,C6 RIGHT SIDE
725734	FILTER,C3 LEFT SIDE
815924	JUMPER,STORAGE AND SAC
815923	.HOUSING FOR 815924
5888206	JUMPER,TEST ANALOG INPUT 2 IN.
5888243	KNOB ASM.CONSOLE ADDRESS
2990016	KNOB,POINTER
5888691	LAMP ASM. CLEAR
5888692	LAMP ASM. RED
5888693	LAMP ASM. AMBER
2414970	LAMP,POWER ON
2414970	LAMP,READY 5022
2745893	PLUNGER,READ ONLY
2343369	RELAY, 6V
2343368	RELAY,24V
367182	SWITCH,PUSHBUTTON
734879	SWITCH,POWER ON
5373660	SWITCH,HOUSING
2744696	SWITCH,COVER LOCK
2703977	TERMINATION CARD SHOOTING TOOL

NOTES

5012

PART NO.	DESCRIPTION
	ALC PAGE AA501-AA502 FOR NON STANDARD PARTS LIST

5022

PART NO.	DESCRIPTION
2536212	FILTER 620S
2414970	LAMP,FILE READY

5026

PART NO.	DESCRIPTION
1551774	FILTER CHARCOAL,IAI
1551766	FILTER,IAI
725204	FILTER,A02 LEFTSIDE/C06 RT SIDE
2703946	FILTER,A02 RIGHT SIDE
725734	FILTER,C03 LEFT SIDE
615379	FILTER,POWERSUPPLY 2.18V
5130497	LAMP,OPERATOR CONSOLE
5888694	CAP RED
5130499	CAP CLEAR
5888695	CAP AMBER
375457	SMS CARD 2.18V REGULATOR

5100

PART NO.	DESCRIPTION
1608754	BELT,TAPE UNIT
1608865	CRT ASM.
1608793	MOTOR ASM,TAPE
1608874	SWITCH,ON-OFF
1608899	SWITCH,RUN
1608879	SWITCH,STEP
1608766	SWITCH ASM,TAPE
1608706	TAPE DRIVE ASM.

5203

PART NO.	DESCRIPTION
4254424	ARMATURE,CARRIAGE CLUTCH
4687998	ARMATURE,INCREMENTER
4688386	BELT,CHAIN DRIVE MOD 1&2
4254745	BELT,CHAIN DRIVE MOD 3
4254720	DISC,BEADING (MARKED BY A NOTCH)
4254230	DISC,BEADING CARR. DRIVE
804618	EMITTER,CARRIAGE & UCS
4253423	EMITTER,CHAIN
2153723	FILTER,P&B
4253455	FILTER,HAMMER UNIT BLOWER
1176668	FUSE 1.50 AMP-CHAIN MOD.1&2,F2,3,4
2639101	FUSE 2.50 AMP-CHAIN MOD.3,F2,3,4
78998	FUSE .300 AMP-F8,9,10,11,12,13
303549	FUSE .100 AMP-F5,6,7
332009	FUSE 2.00 AMP-F1
4035556	GLASS,TOP COVER
4253763	GLASS,HOLDER CLIP (14)
740660	LAMP,INCREMENTOR
2391204	LAMP,INTERLOCK
2391023	LAMP,READY 4.5V
2360917	MAG.ASM,(M3) (100/200)
856094	MAG.ASM,HAMMER MOD 1&2
2639126	MAG.ASM,HAMMER MOD 3
4254434	MAGNET ASM. CARRIAGE DR.
856381	OIL CHAIN

5203 (CONT.)

398298	OIL TRAIN 4 OZ
4253798	PRESS.ROLL ASM-FORMS
4687940	PUSH ROD ASM-HAMMER
4253950	RIBBON SHIELD-96
4253951	RIBBON SHIELD-120
4253274	RIBBON SHIELD-132
4687954	RESIDUAL HAMMER-MAG.
4035598	SCREEN EXHAUST
4035599	SCREEN EXHAUST CLIP
4254283	SLEEVE,CARRIAGE
4254282	SPRING,CARRIAGE-CLU
4254357	SPRING,INCREMENTER
4254862	SPRING,INCREMENTOR-CLU
4254286	SPRING,STOP
4254504	SPRING,TORSION
4688454	SWITCH,HAMMER BAR RIGHT
483582	SWITCH,PUSH BUTTON-PANEL ASM.
483577	SWITCH,
483582	SWITCH,STOP
5373660	HOUSING,SWITCH 483582
4203724	THERMAL (HMR)
5428337	THERMAL (PEB)

5213

PART NO.	DESCRIPTION
2525877	DIODE
2525700	HEAD ASM,PRINT STAGE 1
2495630	HEAD ASM,PRINT STAGE 2
2629848	KNOB
2391121	LAMP,OP PANEL
2640787	MAG. PRINT STAGE 2(MIDDLE)
2526595	MAGNET & HAMMER ASM
1804867	PRINT HEAD ASM.(N/S)
5223537	REC
2526527	RIBBON
2526991	RIBBON DRIVE ASM STAGE 1
2632584	ROLL,RIBBON DRIVE
2526527	ROLLER-RIBBON DRAG CLU ASM
328917	SPRING,CARRIAGE
2525847	STAY ARM (L)
2525846	STAY ARM (R)
854610	TRANSDUCER,PRINT & FDBK
2629844	WICK

NOTES

5320
DISKETTE DRIVE

PART NO.	DESCRIPTION
2305616	BELT,DRIVE
5802151	CABLE,FLAT 5FOOT (TEMPORARY)
2305670	LEAD SCREW-HEAD ASM.
2305604	PHOTOCELL ASM.
2305545	STEPPER MOTOR

CRT

2455625	CRT ASM.
2455603	CONVERTER
2455595	P.C. BOARD

FIXED DISK

5144802	BELT,DRIVE
5144642	DISK ENCLOSURE
5144794	TRANSDUCER

KEYBOARD

1643291	KEY MODULE
1770947	P.C. BOARD

POWER SUPPLY

2546300	POWER SUPPLY,A.C
5564430	POWER SUPPLY,DUAL
5564560	POWER SUPPLY,MULTI
5564973	POWER SUPPLY,TRI LEVEL
5564487	RESISTOR,SURGE-AC SUPPLY

5406

PART NO.	DESCRIPTION
5128844	FILTER,A GATE
5133528	FILTER,B GATE
2590287	FILTER,POWER SUPPLY
5129089	FILTER,FILE ENCLOSURE
5232826	FILTER,OLD BULK SUPPLY
53436	FUSE,STEPPER MOTOR .200 AMPS
303805	FUSE,2265 CRT .250 AMPS
2525846	HINGE,STAY (LEFT)
2525847	HINGE,STAY (RIGHT)
5372183	LAMP-CLEAR,CE PANEL
5372182	LAMP-AMBER,CE PANEL
2122160	LAMP,CONSOLE
586305	LAMP,THERMAL
2391121	LAMP,KB PANEL 4.5V
2632584	RIBBON DRIVE
2629770	SPRING CARRIAGE

5410

PART NO.	DESCRIPTION
5357013	FILTER
2590223	FILTER GATE A
2590287	FILTER REGULTOR
2590449	KNOB,CE PANEL
2590393	KNOB,ROTARY DISK
2391062	LAMP DISPLAY
2391023	LAMP PROCESSOR CHECK
2391204	LAMP,READY
2391023	LAMP READY PRIMARY AND SECONDARY
454612	LAMP STICK
812526	LAMP STICK IND PANEL
2391121	LAMP STOP PRG LOAD
2590891	SWITCH,START & PROG.LOAD
5489114	THERMAL (GATE)
2590821	THERMAL (PWR)

5422

PART NO.	DESCRIPTION
7367443	FILTER

5424

PART NO.	DESCRIPTION
2591731	ARM ASM. PRESSURE ROLL EJECT
613725	BEARING,CB DISK/HOPPER/PUNCH INCR.
610131	BEARING,HOPPER FRONT & REAR/PUNCH
2591675	BEARING,PRESS ROLL ASM.
2591724	BELT,FLAT MODEL 1
2591064	BELT,FLAT MODEL 2
2592318	BELT,V 10.43 L CARR.CLUTCH
2596575	BELT,V SIDE MOTION ASM.
364156	BELT,HOPPER DRIVE
433466	BELT,HOPPER INJECT AND CB
2591096	BELT,HOPPER INPUT MOD 1
2591097	BELT,HOPPER INPUT MOD 2
2591717	BELT,INCREMTR DRIVE
638855	BELT,PRINT EJECT
2592099	BELT,PRINT FIRE
2591065	BELT,PUNCH EJECT
2591097	BELT,PUNCH INPUT MOD.1
365579	BELT,PUNCH INPUT MOD.2
2592159	BELT,RIBBON DRIVE
2592036	BELT,SIDE MOTION INPUT
749700	BELT,STACKER DRIVE
2592209	BELT,TRANSPORT
2592555	CAM FOLLOWER
2592284	CARD WEIGHT
2103010	CAPACITOR,CORNER STATION
2591735	CLEVIS,PRESSURE ROLL EJECT
2592773	COIL,CB
2591358	FILTER,FILE FLAT
2590994	FILTER,FILE ROUND
2590967	FLEXABLE CABLE RETAINER ASM.
2261616	FLEXABLE CABLE RETAINER CLIPS
2592787	FUSE,PRINT HAMMER
2594888	HOPPER ASM.
2593866	KNIFE,HEAD PICKER/ASM 2592479
2391023	LAMP,NPRO FEED STOPS
2392072	LAMP,STOP READY
2391653	LAMP,READ
2591806	MAG.ASM - HAMMER 2591813
2591584	PRINT UNIT ASM.
842428	RELAY K6
2591155	RESISTOR,CORNER STATION
2133486	RESISTOR,STACKER 50 OHM P/M 10 WATT
2592677	RIBBON DRIVE ROLL SHAFT
2593176	ROLL,ALIGNER PRE-PUNCH
2593154	ROLL,ALIGNER POST PUNCH
2592806	ROLL,READ PRESSURE LEFT/REG SIDE
2592807	ROLL,READ PRESSURE RIGHT/OUTBOARD
2592677	SHAFT,RIBBON DRIVE
2593165	SKEW ROLLER MODULE-PRE READ
2593166	SKEW ROLLER MODULE-SEC WAIT
2593167	SKEW ROLLER MODULE-PRI WAIT
2593154	SKEW ROLLER MODULE-POST PUNCH
2592354	SKEW ROLLER MODULE-COR. STA.
2591405	SECTOR,INJECT
2592677	STACKER TRAY ASM
2593481	SNUBBERS
2594909	SPRING,PRESSURE SHOE
2592113	SPRING,PRINT CLUTCH

5424 (CONT.)

2592503	SPRING,THROAT KNIFE
2592219	STACKER,TRAY
2592485	SWITCH HOPPER

5444

PART NO.	DESCRIPTION
2537371	BELT,DRIVE
2537371	BELT,DRIVE (FRICTION)
2600599	BELT,DRIVE (STEP)
2536376	BRUSH (1)
5144472	BRUSH,DRIVE ASM.(N/S)
2536285	BRUSH (4) AND HOLDER ASM
2270032	BUMPER-RUBBER
2536358	DISK,DRIVE (FRICTION)
2597938	DISK,FIXED REPLACEMENT KIT
2591358	FILTER GATE
2597939	FILTER/FILE,ADDITIONAL SEE 5424
3344	FUSE 2 AMP (LOW SPEED DR.)
6324	FUSE 3 AMP (HIGH SPEED DR.)
332009	FUSE,F1,2A
338165	FUSE,F1,3A
5831627	HANDLE SLIDE
2250961	HEAD RD/WR DOWNWARD FACING
2250963	HEAD RD/WR UPWARD FACING
2538047	LAMP,ENCODER DISK
2598077	LAMP,HOME&TRACK(FRICTION)
369675	LAMP,ALL EXCEPT ENCODER DISK
2537320	MOTOR,DRIVE 208 VOLTS
2537321	MOTOR,DRIVE 230 VOLTS
2538037	MOTOR ASM,DISK STEPPER
5144456	PULLEY,MOTOR FLANGE DRIVE
1171544	SCREW,MICRO SWITCH
2629770	SPRING,
228093	SWITCH
2426288	SWITCH,BRUSH MICRO
2426288	SWITCH MICRO,BUTTON
681123	SWITCH,MICRO HEAD LOAD
682902	SWITCH MICRO,ROLLER
2598021	TYRE (FRICTION)
5831904	WASHER (FOR DRIVE DISK)

5471

PART NO.	DESCRIPTION
1148080	BOARD,CR
1148899	BOARD,FEEDBACK
1148265	BOARD,INDEX
1148638	BOARD,KBD
1148080	BOARD,MARGIN & PAPER
1152391	BOARD,XMIT

5486

PART NO.	DESCRIPTION
2594305	BELT,DRIVE
2593698	BELT,TRANSPORT/STACKER
2594524	COIL(SEL.MAG.ASM. REDESIGND)
2594521	BACK STOP
2594526	CAPACITOR
2594523	COIL JUMPER
2594519	CORE ASM
2594516	SELECTOR ASM.
2593733	IDLER ROLL ASM
2391023	LAMP,INDICATOR
2391653	LAMP,READ

5486 (CONT.)

2593764	PRESSURE ROLL ASM 1ST UPPER
838819	FEED ROLL(2)
2593865	MOUNTING BRACKET
2593857	SHAFT
2594510	RESISTOR-CARD COUNT 4.7 OHM
628849	RESISTOR-TB IN POWER BOX 100 OHM
2594525	SAFETY SHIELD-HANDWHEEL
2593884	SPRING,CARD WEIGHT

5496

PART NO.	DESCRIPTION
2596574	BELT,PRIMARY TRANSPORT
2596436	BELT,PUNCH DRIVE
2596456	BELT,PICKER DRIVE ROLL
2596641	BELT,INCREMENTOR SEC
2596478	BELT,INCREMENTOR SEC DRIVE
2596575	BELT,SECONDARY TRANSPORT
5993911	BRACKET,ENCODE BOARD (O/S)
5996926	BRACKET,ENCODE BOARD (N/S)
2595908	COIL,PRINT
2487131	ENCODE BOARD/ADD MACH. (RPQ/MES)
2596313	FILTER,GATE
2391023	LAMP INDICATOR
454612	LAMP,COLUMN INDICATOR
812526	LAMP,COLUMN INDICATOR CARD ASM
2596866	L.E.D.COLUMN INDICATOR
5180999	LINKS,KEYBOARD
981110	LUBRICANT AND APPLICATOR
8112316	MAGNET,PRINT SHORT (CEM 24)
8112317	MAGNET,PRINT LONG (CEM 24)
2596487	MOTOR 115 VOLTS
257494	PINS,RIBBON ROLL
2596025	PULLEY,STACKER EJECT
2595706	READ HEAD ASM
2595965	RIBBON DRIVE ROLL
2596027	SHAFT & BEARING STACKER/EJECT
2592844	SPRING,INTERPOSER
5180997	SPRING,ACTUATOR (LONG)
5180998	SPRING,ACTUATOR (SHORT)
738828	SWITCH (MOMENTARY)
738826	SWITCH (FUNCTION)
2595294	SWITCH,PROG.LOAD
2595295	SWITCH,SPDT CONTROL PANEL

NOTES

SELECTRIC

PART NO	DESCRIPTION
737927	ACOUSTIC HOOD 1052,1053
5173795	ACOUSTIC HOOD 2740
5186336	ACOUSTIC HOOD 2740 (FBM CODE 33)
5318664	BAIL ASM.,RESTORING KB 1052
1166713	BAR ASM., TORQUE POWER TAB
5173811	BELT DRIVE
1266829	BRACKET ASM. CYCLE CLUTCH LATCH
1141763	CABLE,DUAL VELOCITY 11 INCH
1141765	CABLE,DUAL VELOCITY 15 INCH
1272677	CAM & RATCHET ASM. LATE STYLE
1272914	CAMSHAFT ASM.(BM-SEE CEM 531)
1166431	CAPACITOR, 4 MFD
1203295	CAPACITOR, 6 MFD
1159908	CARRIER & ROCKER ASM.GEARLESS 1052
1176804	CARRIER & ROCKER ASM. 2741
1159589	CARRIER RETURN CONTACT ASM 1052,1053
1128379	CARRIER RETURN CORD,11 INCH
1128380	CARRIER RETURN CORD 13"&15"(CORD 28"LONG)
1144852	CARRIER RETURN CORD, 767
1128830	CONTACT ASM.C1 & C2 PR.FEEDBACK 2740,2741,1977
1159098	CONTACT ASM. C2-1052,1053
1159906	CONTACT ASM, C2-1052 M7,1980 M21
1166771	CONTACT ASM. C2-1053 M3
1135582	CONTACT ASM. C5-1052,1053
1159657	CONTACT ASM. C5-1053 M3
1166152	CONTACT ASM. C5/6
1166386	CONTACT ASM. C7-1052,1053
1176843	CONTACT ASM. C7-1052 M7
1187212	CONTACT ASM. SHIFT, 2740,2741,2970
5318704	CONTACT PLATE ASM. 1052
1187968	CYCLE CLUTCH HUB ASM.
1135573	DIODE,BLACK ANODE LEAD TYPE ALS
1203201	DOCUMENT INSERTION ASM. 6.00 INCH-1980 M9
1187781	DOCUMENT INSERTION ASM. 7.38 INCH-1980 M9
1203202	DOCUMENT INSERTION ASM. 7.38 INCH-1980 M12
1159249	DOCUMENT INSERTION DETENT SHAFT 1980
1128108	DRUM,ESCAPEMENT CORD
1187435	ESCAPEMENT BRACKET ASM.(FBM)
1272962	FEED ROLL LOWERING CAM 1980,1518
1175865	GEAR ASM. UPPER IDLER 5/16" I.D (N/S)
1175866	SCREW-GEAR (N/S)
1159350	GEAR ASM. UPPER IDLER 1/4" I.D (O/S)
1134841	SCREW-GEAR (O/S)
9900112	HOOVERMETER
627336	KEYTOPS PLASTIC COVERS
	KEYTOP DECALS (FORM # GX20-1783
1176838	LAMP,BLANK,RED 2740
1176839	LAMP,BLANK,WHITE 2740
1176837	LAMP,BLANK,YELLOW 2970
1186024	LAMP,LETTER B 2740
1176836	LAMP,LETTER R 2740
1176834	LAMP,LETTER S 2740
1176835	LAMP,LETTER T 2740
1166293	LINE CORD,115V 1053
1174096	MOTOR,RUBBER MOUNTS
1272652	MOTOR FBM,115V,60HZ,1/20HP 1052,1053
1203777	MOTOR,115V,60HZ,1/20HP, 1052,1053
1187562	MOTOR,208V60HZ,1/20HP, 1052,1053
1272915	OPERATIONAL CAM & RATCHET ASM.
1272977	OPER. SHAFT ASM. HI.SPD.CARRIER RET. 1052,1053
1272961	OPER. SHAFT ASM.LARGE CENTER BEARING 1052,1053
1159671	OPER. SHAFT (HI.SPD.CARRIER RETURN)
1135635	OPER. SWITCH ASM. R.H-1052,1053

SELECTRIC (CONT.)

737942	PAPER GUIDE 1052
1135381	PAPER RELEASE LEVER
1280701	PART PACKET SCREWS
1280702	PART PACKET SCREWS
1280703	PART PACKET CLIPS
1280704	PART PACKET SPRINGS
1280705	PART PACKET SPRINGS
1280706	PART PACKET CLEVISES
1280707	PART PACKET NUTS
1280708	PART PACKET WASHERS AND SHIMS
1280709	PART PACKET STUDS
1128521	PINWHEEL L.H,THREADED PLATEN SHAFT-1052,1053
1128522	PINWHEEL R.H,THREADED PLATEN SHAFT-1052,1053
1128527	PLATEN RATCHET,27T PINFEED
1117828	POWER ROLL
1164600	RIBBON FEED ASM. LATE STYLE
1134811	ROTATE TAPE, 11 INCH
1138106	ROTATE TAPE, 13 INCH
1134817	ROTATE TAPE, 15 INCH
1144871	ROTATE TAPE, 767
1132244	ROTATE SPRING CAGE
737927	SAFETY HOOD 1052,1053
1769010	SAFETY LABEL,HOOD-ALL
1203839	SAFETY LABEL,R.H DUST SHIELD
1186028	SHAFT, PAPER GUIDE 1052
1135302	SHIFT MAGNET ASM, 48V 1052,1053
1187662	SHIFT RATCHET ASM. 1052
1275087	SOLID ROTATE ARM-SEE CEM 109
1187335	SPLIT PLATEN DRIVER 1980,2740
1175243	SPRING,CARRIER RETURN
1164342	SPRING,MAIN CAGE ASM. 100 INCH
1203561	SPRING,MAIN 100 INCH
1144821	SPRING,MAIN 767
1128403	SPRING,RIBBON CARTRIDGE NLE
1128404	SPRING,RIBBON CARTRIDGE NRE
1123572	SPRING,TAB
1166634	SWITCH ASM,1053 M4
1119359	SWITCH ASM, 2740
228093	SWITCH, 1ST COLUMN
483550	SWITCH,ILLUMINATED,PUSH MOMENTARY-1980
725345	SWITCH,MOMENTARY ACTION,SPDT 1052
1160090	SWITCH,PAPER 1980,2740,2970
479309	SWITCH,SENSITIVE, 2SPDT,250V,5AMP 1052 NOT M7
1159207	SWITCH,TAB
737616	SWITCH,TOGGLE,DOUBLE POLE 1052
734879	SWITCH,TOGGLE,DPDT 1052
737901	SWITCH,TOGGLE,SP,3POS. 1052
1166031	SWITCH, 1052
1176841	SWITCH,3POS. 2740,2970
1128378	TAB CORD, 11 INCH
1175579	TAB CORD, 15 INCH (ALSO USED FOR 13 INCH)
1144853	TAB CORD, 767
1159026	TAPE, RIBBON SHIFT
1280119	TILT RING ASM. GEARLESS
1164314	TILT TAPE 11 INCH, GEARLESS
1138104	TILT TAPE, 13 INCH
1164316	TILT TAPE 15 INCH, GEARLESS
1145387	TILT TAPE,767 GEARLESS-LATE STYLE
9900459	TOOLS,B/M FOR SELECTRIC I/O
9900427	WHEEL,HAND CYCLE

TYPE ELEMENT—FOR PART NUMBER PRECEDE THE 3 DIGIT PART NO. ON TOP OF THE ELEMENT WITH 1167XXX

SELECTRIC II

PART NO	DESCRIPTION
1148844	ARMATURE,SEL MAGNET
1148895	BLOCK, PRT FEEDBACK MAG.
1148295	BLOCK, SHIFT FEEDBACK MAG.
1452391	BLOCK, CONTACT XMIT
1148265	CIRCUIT BOARD,INDEX
1148899	CONTACT, PRT FEEDBACK
1148638	CONTACT, KB MODE
1148080	CONTACT, LONG FUNCTION,END OF LINE,END OF FORM
1148300	CONTACT, SHIFT FEEDBACK
1148307	CONTACT, SHIFT MODE
1128380	CORD-CARRIER RETURN
1148265	INDEX OF FEEDBACK
2391121	LAMP
1460074	MOTOR,115V
1166551	SPRING,CYCLE CLUTCH
1175579	TAB CORD
1147374	TAPE,ROTATE
1147371	TAPE,TILT
1173132	TAPE, VELOCITY
1452226	TRANSMIT ASM

NOTES

ATTACHMENT CORD PLUGS

TYPE	MACHINE NAME	RECEPTACLE TYPE				
		60-CYCLE, 1Ø			DC	
		115V	208V	230V	115V	230V
10	Card Punch	B, H			B, H	
24/26/29	Card Punch	B, H	C, K	C, K	B, H	C, K
27/28	Card Proof Punch	B, H	C, K	C, K		
46/47	Tape-to-Card Punch	B, H	C, K	C, K		
56/59	Verifier	B, H	C, K	C, K	B, H	C, K
63	Card-Controlled Tape Punch	B, H	C, K	C, K	B, H	C, K
65/66	Data Transceiver	B, H	C, K	C, K		
77	Collator Series 50	A, H	C, K	C, K		
82	Sorter	B, H	C, K	C, K	B, H	C, K
82	Sorter Series 50	B, H	C, K	C, K		
83	Sorter	A, H	C, K	C, K	A, H	C, K
84	Sorter	L, H	C, K	C, K		
85	Collator, Numerical	B, G	C, J	C, J	B, G	C, J
87	Collator, Alphabetic	B, G	C, J	C, J		
88	Collator, Numerical	B, G	C, J	C, J		
101	Electronic Statistical Machine	B, H	C, K	C, K		
108	Card Proving Machine	B, G	C, J	C, J		
188	Collator	B, G	C, J	C, J		
367	Card Reader	B, H	C, K	C, K		
368	Control Unit	B, H	C, K	C, K		
360	Clock Control Unit	B, H	C, K	C, K		
402/403	Alphabetic Acct'g Mach.	B, G	C, J	C, J	B, G	C, J
402/403	Alpha. Acct'g Mach. Series 50	B, G	C, J	C, J		
407, 408, 409	Accounting Machine	D	C, J	C, J	F	C, J
419	Numerical Accounting Machine	B, G	C, J	C, J		
514	Reproducing Punch	B, G	C, J	C, J	B, G	C, J
514	Reproducing Punch Series 50	B, G	C, J	C, J		
519	Document Originating Machine	B, G	C, J	C, J	B, G	C, J
523	Gang Summary Punch	A, H	C, K	C, K	A, H	C, K
524	Duplicating Summary Punch	B, H	C, K	C, K		
526	Printing Summary Punch	B, H	C, K	C, K		
528	Accumulating Reproducer	B, G	C, J	C, J	B, G	
534/536	Card Punch	B, H	C, K	C, K		
548	Interpreter	A, H	C, K	C, K		
549	Ticket Converter	A, H	C, K	C, K	A, H	C, K
557	Alphabetic Interpreter	B, H	C, K	C, K		
602	Calculating Punch	B, H	C, K	C, K	B, H	C, K
602	Calculating Punch Series 50	B, H	C, K	C, K		
604	Electronic Calculating Punch		E	E		
607	Electronic Calculator		E	E		
942	Electronic Storage Unit		E	E		
609	Calculator	B, G				
802/803	Proof Machine	A, H	C, K	C, K	A, H	C, K
806	Test Scoring Machine	A, H		C, K	A, H	C, K
824/826	Typewriter Card Punch	B, H	C, K	C, K	B, H	C, K
834/836	Control Unit - 870	B, H	C, K	C, K		
858	CARDATYPE Accounting Machine	B, H	C, K	C, K		
954	Facsimile Posting Mach. Model 2	A, G	C, J	C, J		
1031	Input Station	B, G	C, J	C, J		
1032	Digital Time Unit	B, G	C, J	C, J		
1033	Printer	B, G	C, J	C, J		
1034	Card Punch	B, G	C, J	C, J		
1035	Badge Reader	B, G	C, J	C, J		
1051	Control Unit	B, H	C, K	C, K		
1057	Card Punch	B, H	C, K	C, K		
1058	Printing Card Punch	B, H	C, K	C, K		
1061	Control Unit	B, G	C, J	C, J		
1082	Card Reader	B, H	C, K	C, K		
2740	Communications Terminal	B, H	C, K	C, K		
2741	Communications Terminal	B, H	C, K	C, K		

ATTACHMENT CORD PLUGS

RECEPTACLE TYPE	PLUG END VIEW	PLUG RATING	ADDITIONAL INFORMATION	IBM PART NO.
A		15 AMP 125 VOLT		600887
B		15 AMP 125 VOLT		256341
C		15 AMP 125 VOLT	NOT TO BE USED ON VOLT BELOW 200 U.L.	256342
D		25 AMP 250 VOLT	ATTACHMENT CORD WITH MOLDED PLUG	256356
E		25 AMP 250 VOLT	ATTACHMENT CORD WITH MOLDED RANGE TYPE PLUG	300794
F		20 AMP 125 VOLT		209480
G		15 AMP 125 VOLT		624037
H		15 AMP 125 VOLT		624034
J		15 AMP 277 VOLT		624036
K		15 AMP 277 VOLT		624035
L		20 AMP 125 VOLT		839615

BRUSHES AND BRUSH HOLDERS
PART NO. DESCRIPTION

027 CARD PROOF PUNCH
12986 READ BRUSH 22 COL READER

063 TAPE PUNCH
109032 COMMUTATOR BRUSH -H.S. MATCHING DEV.-
158331 COMMUTATOR BRUSH HOLDER ASM -H.S. MATCHING DEV.-

075 HORIZONTAL SORTER
080
17480 BRUSH REAR COMMUTATORS
202 CARD BRUSH
153513 CARD BRUSH -MULT. COL. SEL-
109032 COLLECTOR RING BRUSH
25285 COMMUTATOR BRUSH COMMON -MULT. COL. SEL-
202 COMMUTATOR BRUSH -MULT. COL. SEL.-
304456 COMMUTATOR BRUSH NEW STYLE
1769 COMMUTATOR BRUSH OLD STYLE
28772 CONTACT ROLL COMMON BRUSH
202 EMITTER BRUSH -MULT. COL. SEL.-
12986 PRE-SENSING CONTACT ROLL COMMON BRUSH

077 SPIRAL GEAR DRIVE COLLATOR
089
368685 CARD READ BRUSH -BEVEL-
234846 CARD READ BRUSH BLOCK ASM.
249067 CARD READ BRUSH -STEP-
22128 CONTACT ROLL COMMON BRUSH
1769 CONTACT ROLL COMMON BRUSH -LONG-
109339 CONTACT ROLL COMMON BRUSH -SHORT-
223526 CONTACT ROLL END SECTION WIPER BRUSH

077 BEVEL GEAR DRIVE COLLATORS
085
085A
087
089
234513 CARD READ BRUSH -BEVEL-
234531 CARD READ BRUSH BLOCK ASM.
234846 CARD READ BRUSH BLOCK ASM.
249067 CARD READ BRUSH -STEP-
257575 CONTACT ROLL COMMON BRUSH
22128 CONTACT ROLL COMMON BRUSH ZONE -INNER-
109339 CONTACT ROLL COMMON BRUSH ZONE -OUTER-

082 HORIZONTAL SORTER
083
086
202 AUXILIARY CARD COUNTER BRUSH
202 CARD BRUSH
153513 CARD BRUSH -MULT. COL. SEL.-
25285 COMMON BRUSH -MULT. COL. SEL.-
12986 COMMUTATOR BRUSH -CARD MATCHING DEVICE-
109339 COMMUTATOR BRUSH -GROUP SORT-
202 COMMUTATOR BRUSH -MULT. COL. SEL.-
304456 COMMUTATOR BRUSH NEW STYLE
1769 COMMUTATOR BRUSH OLD STYLE
28772 CONTACT ROLL COMMON BRUSH
109339 EMITTER BRUSH
202 EMITTER BRUSH -MULT. COL. SEL.-
202 RAIL BRUSH
12986 RAIL BRUSH -CARD MATCHING DEVICE-
12986 SORT SUPPRESS BRUSH

088 COLLATOR
188
609798 CARD READ BRUSH (2 STRAND)
602189 CARD READ BRUSH (3 STRAND)

610271 CARD READ BRUSH (3 STRAND)
610275 CARD READ BRUSH BLOCK ASM.(2 STRAND)
610272 CARD READ BRUSH BLOCK ASM. (3 STRAND)
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)

101 STATISTICAL MACHINE
106
226835 CARD READ BRUSH
227337 CARD READ BRUSH BLOCK ASM.
289098 CARD READ BRUSH BLOCK ASM. (51 COL.)
28772 CONTACT ROLL BRUSH (SHORT)
1769 EMITTER BRUSH
226635 EMITTER BRUSH
159847 EMITTER BRUSH HOLDER ASM.
226623 EMITTER BRUSH HOLDER ASM.
239282 MARK SENSE BRUSH BLOCK ASM (DESENSITIZED)
289941 MARK SENSE BRUSH (DESENSITIZED)

108 CARD PROVING MACHINE
610208 CARD READ BRUSH (2 STRAND)
602189 CARD READ BRUSH (3 STRAND)
610211 CARD READ BRUSH BLOCK ASM. (2 STRAND)
610272 CARD READ BRUSH BLOCK ASM. (3 STRAND)
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)

323 CARD PUNCH
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)
163789 READ BRUSH
178777 READ BRUSH BLOCK ASM.
257567 X BRUSH BLOCK ASM.
257565 X BRUSH NEW STYLE
134459 X BRUSH OLD STYLE

357 INPUT STATION
349102 BRUSH HOLDER ASM.
12986 CARD READER BRUSH

380 CONSOLE
28772 CONTACT ROLL COMMON BRUSH
120104 READ BRUSH BLOCK ASM
241140 READ BRUSH BLOCK ASM SPECIAL
121933 READ BRUSH HARDENED TIP

402 ACCOUNTING MACHINE
403
405
412
416
418
419
104624 9 AND 10 JUMPER AND BRUSH ASM.
241139 CARD READ BRUSH (51 COL.)
120104 CARD READ BRUSH BLOCK ASM.
241140 CARD READ BRUSH BLOCK ASM. (51 COL.)
28772 CONTACT ROLL COMMON BRUSH
129330 COUNTER COMMUTATOR BRUSH HOLDER ASM.
1769 DIGIT EMITTER BRUSH
121933 READ BRUSH HARDENED TIP

407 ALPHABETIC ACCOUNTING MACHINE
408
409
716
203530 #1 SENSING BRUSH BAR
203531 #2 SENSING BRUSH BAR
203532 #3 SENSING BRUSH BAR
203533 #4 SENSING BRUSH BAR

109032 COLLECTOR RING BRUSH
471031 COMPARING BRUSH ASM.
104919 COUNTER COMMUTATOR BRUSH HOLDER ASM.
204246 COUNTER CONTACT BRUSH
1769 EMITTER BRUSH
109339 EMITTER BRUSH WITH 650
204245 PRINT CONTACT BRUSH

513 SUMMARY PUNCH REPRODUCER
514
517
518
519
109339 CONTACT ROLL COMMON AND EMITTER BRUSH (SHORT)
1769 CONTACT ROLL COMMON BRUSH (LONG)
186643 PUNCH FEED MARK SENSING BRUSH
184747 PUNCH FEED MARK SENSING BRUSH BLOCK ASM.
239097 READ FEED BRUSH
287688 READ FEED BRUSH BLOCK ASM. (MARK SENSING)
287696 READ FEED MARK SENSING BRUSH
287679 READ FEED MARK SENSING BRUSH BLOCK ASM.
163789 READ, PUNCH AND COMPARE BRUSH
178777 READ, PUNCH AND COMPARE BRUSH BLOCK ASM.
257567 X BRUSH BLOCK ASM.
134459 X CONTACT BRUSH (GROOVED FEED ROLL)
257565 X CONTACT BRUSH (SOLID FEED ROLL)

521 COMPUTING PUNCH UNIT
527
529
109339 CONTACT ROLL COMMON AND EMITTER BRUSH (SHORT)
163789 PRE-SENSING AND PUNCH READ BRUSH
214096 PRE-SENSING BRUSH BLOCK ASM.
12986 PRE-SENSING CONTACT ROLL COMMON BRUSH
178777 PUNCH BRUSH BLOCK ASM.
1769 PUNCH CONTACT ROLL COMMON BRUSH (LONG)

523 GANG SUMMARY PUNCH
549
109339 CONTACT ROLL COMMON AND EMITTER BRUSH (SHORT)
1769 CONTACT ROLL COMMON BRUSH (LONG)
163789 READ BRUSH
178777 READ BRUSH BLOCK ASM.
257567 X BRUSH BLOCK ASM.
134459 X CONTACT BRUSH (GROOVED FEED ROLL)
257565 X CONTACT BRUSH (SOLID FEED ROLL)

524 DUPLICATING SUMMARY PUNCH
12986 READ BRUSH

528 ACCUMULATING REPRODUCER
109339 CONTACT ROLL COMMON AND EMITTER BRUSH (SHORT)
1769 CONTACT ROLL COMMON BRUSH (LONG)
225517 COUNTER COMMUTATOR BRUSH HOLDER ASM.
184747 MARK SENSING PUNCH FEED BLOCK ASM.
188643 MARK SENSING PUNCH FEED BRUSH
238401 READ AND COMPARE BRUSH
238402 READ AND COMPARE BRUSH BLOCK ASM.
257565 X CONTACT BRUSH (SOLID FEED ROLL)

541 CARD PUNCH
542
544
610271 BRUSH
610272 BRUSH BLOCK ASM.
1769 COMMON BRUSH (LONG)
109339 COMMON BRUSH (SHORT)

543 CARD READER
7550
610271 BRUSH
610272 BRUSH BLOCK ASM.
1769 COMMON BRUSH (LONG)
109339 COMMON BRUSH (SHORT)

552 ALPHABETIC INTERPRETER
548
161131 CONTACT DRUM COMMON BRUSH
12986 DIGIT EMITTER BRUSH
160384 READ BRUSH
182444 READ BRUSH BLOCK ASM.
257565 X BRUSH
257567 X BRUSH BLOCK ASM.

557 ALPHABETIC INTERPRETER
368685 BRUSH BEVEL
121933 BRUSH HARDENED TIP
368686 BRUSH PROOF
249067 BRUSH STEP
1769 CONTACT ROLL BRUSH (LONG)
109339 CONTACT ROLL BRUSH (SHORT)
347410 READ BRUSH BLOCK ASM (NON PROOF)
347411 READ BRUSH BLOCK ASM (PROOF)

602A CALCULATING PUNCH
1769 CONTACT ROLL COMMON BRUSH
160384 READ BRUSH
216884 READ BRUSH BLOCK ASM.
204986 X BRUSH

609 CALCULATOR
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)
610271 READ BRUSH
610272 READ BRUSH BLOCK ASM.

711 CARD READER
28772 CONTACT ROLL COMMON BRUSH
121933 READ BRUSH
120104 READ BRUSH BLOCK ASM.

721 CARD PUNCH
722
163789 BRUSH
178777 BRUSH BLOCK ASM.
28772 CONTACT ROLL COMMON BRUSH
109339 EMITTER BRUSH
257565 X BRUSH NEW STYLE
134459 X BRUSH OLD STYLE

808 PROOF MACHINE
121933 CARD READ BRUSH
28772 COMMON BRUSH

856 CARDATYPE
857
109339 CONTACT ROLL COMMON BRUSH
211332 TAPE BRUSH
211740 TAPE BRUSH BLOCK ASM.

858 CARDATYPE
324108 READ BRUSH

922 TAPE CONTROLLED CARRIAGE
923
197894 TAPE READ BRUSH
221182 TAPE READ BRUSH BLOCK ASM.

1402 CARD READ PUNCH
1444
1622
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)
609798 READ AND PUNCH BRUSH (2 GROUP STRAND)
610271 READ AND PUNCH BRUSH (3 GROUP STRAND)
610275 READ AND PUNCH BRUSH BLOCK ASM. (2 GROUP STRAND)
610272 READ AND PUNCH BRUSH BLOCK ASM. '3 GROUP STRAND)

1403 PRINTER
1404
609798 BRUSH 2 GROUP STRAND
610271 BRUSH 3 GROUP STRAND
805644 BRUSH BLOCK ASM.
197894 CARRIAGE BRUSH
221182 CARRIAGE BRUSH BLOCK
602189 COMPARE BRUSH (1404 ONLY)

7500 CARD READER
1769 CONTACT ROLL COMMON BRUSH (LONG)
109339 CONTACT ROLL COMMON BRUSH (SHORT)
610271 READ BRUSH
610272 READ BRUSH BLOCK ASM.

NOTES

BUTT CONNECTORS/WIRE SPLICES

LEGEND A-AWG WIRE SIZE
B-LENGTH
C-COLOR-BUTT CONN./O.D-WIRE NUT
D-VENDOR/NUMBER

WIRE SPLICE/BUTT CONNECTORS

A	B	C	D	PART NO
8	1.280	BLUE	BURNDY YSE14-H	596383
12-10	.344	------	AMP-34138	597038
12-10	1.660	YELLOW	AMP-320570	311977
16-14	1.016	BLUE	AMP-34071	129909
16-14	1.016	BLACK	AMP-320803	129911
16-14	1.234	------	--- ------	360060
22	1.050	BLUE	--- -----596388	
22-16	.750	------	AMP-320559	321051
22-16	.750	RED	AMP-34131	602603
24-20	.969	CLEAR	AMP-323975	523176
26-22	.922	CLEAR	AMP-321029	216230

WIRE SPLICE NUT

A	B	C	D	PART NO
-----	.560	.335	IDEAL-30-140	345887
-----	.688	.391	IDEAL-30-143	1115061
16-14	.984	.500	MARR NO.R	5214437
18-14	.750	.344	IDEAL-738	151762
18-16	.531	.328	IDEAL-718	64288

CARD WEIGHTS - CARD GAGES

PART NO	DESCRIPTION	MACHINE TYPES
141743	80 COLUMN	077,082,085,087,402,407,514,519
206699	80 COLUMN	031,063
227745	STACKER	024,026,056
243366	51 COLUMN	402 (SUB'D BY 694064)
267030	APERTURE CD	082,085,087,557 (SCRIPTOMATIC-082)
287617		514 (22-45 & 80 COL. COMBINED)
336675	80 COLUMN	083,108,1034,1402-PCH FD,1442,1622 PCH FD 2501,2520 W/BARS,2560
434399	SPEC.BLACK	9955
602334	80 COLUMN	083 & 086 FILE FD,088,188,108
609966	51/80 COL.	1402
603484	51/80 COL.	088
613488	80 COLUMN	2540 READ FD
637941	80 COLUMN	2520,2450 PUNCH FD
637942	51/80 COL.	2540 SUB'D BY P/N 613488
649567	51 COLUMN	2540
649671	51/80 COL.	2540 SUB'D BY P/N 613488
679034	80 COLUMN	2502
679095	51 COLUMN	2502
679096	66 COLUMN	2502
694062	46/50 COL.	088
694064	51/66 COL.	088
695470	80 COLUMN	514 APERTURE CD.
697306	80 COLUMN	088 APERTURE CD.
743800	80 COLUMN	1056
743801	51 COLUMN	1056
744413	51 COLUMN	1282
806508	80 COLUMN	1404
821603	80 COLUMN	1282

CARD WEIGHT (CONT.)

2544297	51/80 COL.	3504/3505
2447496	80 COLUMN	3504/3505
2592284	96 COLUMN	5424
2593370	96 COLUMN	5486 (5424)

CARD GAGES

450550	80 COLUMN
2594000	96 COLUMN

CABLE TIE DOWNS

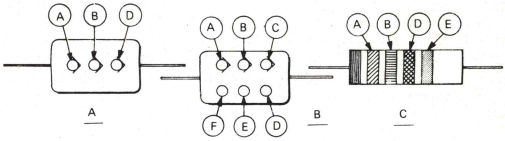
LEGEND A-LENGTH
B-WIDTH
*-MOUNTING HOLE

A	B	PART NO.	A	B	PART NO.
3.500	.094	5420242	7.000	.187	760221
3.500	.125	1159913	7.000	.187	523393*
6.000	.187	533783	9.250	.187	556450
6.000	.187	524519	13.500	.312	5405593
6.000	.187	1159255*	14.500	.187	1145574

CROSSOVER (RUBBER) 2.375 X 2.375 X 375 P/N 813519
STRAIGHT (RUBBER) 1.562 X 375 P/N 811427
A-LENGTH (INCHES)

NOTES

CAPACITORS



CAPACITANCE IN MICRO-MICROFARADS (MMF)

COLOR A	FIRST SIGNIFI-CANT FIGURE	COLOR B	SECOND SIGNIFI-CANT FIGURE	COLOR C	THIRD SIGNIFI-CANT FIGURE
Black	0	Black	0	Black	0
Brown	1	Brown	1	Brown	1
Red	2	Red	2	Red	2
Orange	3	Orange	3	Orange	3
Yellow	4	Yellow	4	Yellow	4
Green	5	Green	5	Green	5
Blue	6	Blue	6	Blue	6
Violet	7	Violet	7	Violet	7
Gray	8	Gray	8	Gray	8
White	9	White	9	White	9

COLOR D	DECIMAL MULTIPLIER	COLOR E	TOLER-ANCE	COLOR F	DC TEST VOLTAGE
Black	------	Black	20%	Black	-----
Brown	10	Brown	1%	Brown	100
Red	100	Red	2%	Red	200
Orange	1,000			Orange	300
Yellow	10,000			Yellow	400
Green	100,000	Green	5%	Green	500
Blue	1,000,000			Blue	600
Violet	10,000,000			Violet	700
Gray	-----			Gray	800
White	-----	White	10%	White	900
Gold	0.1	Gold	5%	Gold	1000
Silver	0.01	Silver	10%	Silver	2000
No Color	-----	No Color	20%	No Color	500

LEGEND A-CAPACITANCE MFD,UNLESS POSTED
B-VOLTAGE
C-TOLERANCE
D-LEAD LENGTH
E-BODY LENGTH
F-BODY DIAMETER

PAPER NONAXIAL LEADS CAPACITORS
DOUBLE BLADE TYPE

A	B	C	PART NO	A	B	C	PART NO
1.25	236AC	10%	2160807	10.00	330AC	10%	2129258
1.75	660AC	3%	311812	10.00	330AC	6%	5214404
2.00	330AC	10%	2195276	12.00	330AC	6%	5214403
2.00	440AC	10%	2122115	12.00	330AC	6%	268715
2.00	660AC	6%	364703	12.50	330AC	6%	5760726
3.00	330AC	10%	725009	15.00	330AC	3%	207361
3.00	1000AC	6%	511089	15.00	330AC	6%	1143069
4.00	330AC	5%	526341	15.00	330AC	6%	477202
4.50	1000AC	3%	441321	18.00	330AC	5%	223355
5.00	330AC	6%	5240458	20.00	330AC	3%	441338
5.00	440AC	6%	749339	20.00	330AC	6%	524854
6.00	330AC	6%	2159748	20.00	330AC	6%	1143178
6.00	330AC	6%	210873	25.00	330AC	---	520707
7.00	330AC	6%	5213359	25.00	330AC	3%	442688
8.00	330AC	6%	5247156	25.00	330AC	3%	208388
8.00	330AC	3%	207353	30.00	330AC	6%	361536
8.00	370AC	10%	743006	35.00	330AC	6%	327908
10.00	330AC	3%	222854	40.00	330AC	6%	5319839
10.00	330AC	10%	591967	50.00	330AC	10%	5214085
10.00	330AC	6%	5708948	60.00	250AC	6%	351784

PAPER NONAXIAL LEADS CAPACITORS
FORKED LUG TYPE

A	B	C	PART NO	A	B	C	PART NO
0.75	330AC	6%	5257506	4.00	330AC	6%	1166431
2.00	330AC	6%	1107025	5.00	265AC	6%	1187099
2.60	330AC	6%	5257503	5.00	660AC	6%	328480
3.00	265AC	6%	1106594	10.00	600AC	10%	323987

PAPER NONAXIAL LEADS CAPACITORS
SOLDER TYPE

A	B	C	PART NO	A	B	C	PART NO
0.10	600DC	20%	505356	4.00	600DC	---	303529
0.25	440AC	10%	517252	9.00	330AC	---	282411
0.25	1000DC	10%	528411	20.00	236AC	10%	526205

PAPER NONAXIAL LEADS CAPACITORS
SCREW/NUT TYPE

A	B	C	PART NO	A	B	C	PART NO
0.10	400DC	10%	127109	2.00	400DC	10%	148012
0.50	400DC	10%	100742	5.00	300AC	10%	129638
0.50	600DC	10%	237310	10.00	660AC	---	443031
1.00	300DC	10%	603257				

PAPER NONAXIAL LEADS CAPACITORS MISCELLANEOUS

A	B	C	PART NO	A	B	C	PART NO
3000PF	370AC	10%	5357137	0.22	400DC	20%	317438
0.47	100DC	10%	5213431	4.00	660AC	6%	442691
0.50	600DC	10%	505337	9.00	220AC	---	803445
0.75	330AC	20%	553400	10.00	400DC	---	302064
2.00	220AC	10%	4116231	15.00	440AC	6%	2109091
4.00	220AC	20%	332840	18.00	300AC	5%	8010761
4.00	370AC	5%	5405155				

PAPER AXIAL LEADS CAPACITORS

A	B	C	E	F	PART NO
3300PF	600DC	20%	.968	.390	322471
4700PF	400DC	10%	.750	.372	334961
0.001	200DC	20%	.781	.250	472532
0.001	600DC	5%	1.062	.375	347000
0.001	600DC	10%	.750	.295	334967
0.010	200DC	20%	.969	.328	472531
0.010	400DC	5%	.750	.372	507835
0.010	600DC	---	1.500	.500	169103
0.010	600DC	10%	1.312	.438	347017
0.020	1600DC	---	3.000	.562	305252
0.022	400DC	20%	1.188	.438	338314
0.022	600DC	10%	1.312	.500	347022
0.033	600DC	20%	1.250	.400	1166022
0.047	200DC	---	2.375	.438	228467
0.047	400DC	10%	1.062	.438	326364
0.047	400DC	20%	1.500	.500	340631
0.047	400DC	10%	.812	.400	507833
0.047	400DC	10%	.812	.438	517275
0.047	600DC	10%	1.562	.562	347028
0.047	600DC	20%	1.562	.562	347029
0.050	400DC	20%	1.500	.469	338214
0.050	400DC	20%	1.265	.630	300709
0.050	600DC	5%	1.500	.500	254788
0.050	1000DC	---	2.125	.562	284109
0.068	600DC	5%	1.938	.750	347030
0.100	100DC	10%	.938	.375	360664
0.100	200DC	20%	1.219	.422	472535
0.100	400DC	20%	1.625	.562	338215
0.100	400DC	10%	1.188	.500	326367
0.100	400DC	10%	1.938	.688	2102394
0.100	600DC	10%	1.938	.750	2102166
0.100	600DC	---	2.000	.625	170611
0.100	600DC	5%	1.938	.750	347033
0.100	1000DC	20%	1.686	.702	5213874
0.220	200DC	30%	2.000	.625	228466
0.220	400DC	20%	2.250	.750	340630
0.220	400DC	10%	1.219	.641	2109830
0.220	600DC	10%	2.312	.875	347039
0.220	600DC	5%	2.312	.875	347038
0.250	400DC	10%	2.125	.625	315961
0.250	600DC	---	2.188	----	157907
0.250	600DC	20%	1.438	.750	2102176
0.250	600DC	10%	1.156	.625	1127453
0.330	400DC	10%	1.656	.733	2102216
0.330	600DC	5%	2.438	1.062	347040
0.330	600DC	20%	2.438	1.062	347042
0.470	200DC	20%	1.719	.642	206593
0.470	400DC	10%	2.125	.750	507921
0.500	400DC	10%	1.812	.687	2102436
0.500	400DC	10%	1.562	.625	317366
0.500	400DC	10%	1.625	.625	300708
0.680	600DC	5%	2.938	1.062	347046

PAPER AXIAL LEADS CAPACITORS (CONTINUED)

A	B	C	E	F	PART NO
1.00	200DC	10%	1.125	.578	5213580
1.00	200DC	20%	1.156	.562	98869
1.00	200DC	20%	1.125	.562	253826
1.00	400DC	20%	2.500	1.062	338223
1.00	400DC	10%	2.938	.625	317365
1.00	600DC	20%	2.281	.844	2102144
2.00	400DC	20%	2.438	1.125	2102174

PAPER AXIAL LEADS CAPACITOR ASSEMBLIES

A	B	CAP.P/N	D	TERM NO	ASSEM.NO	TERM.
0.01	600DC	98988	1.500	600844	636009	PLUG
0.02	1600DC	305252	1.000	320167	310920	PLUG
0.05	1000DC	284109	1.000	320167	310918	PLUG
0.10	100DC	360664	1.500	216265	724836	SPEC.
0.10	400DC	326367	1.000	187243	315966	PLUG
0.10	600DC	347033	1.250	334921	828671	RING
0.20	400DC	315965	1.000	320167	315962	PLUG
0.22	600DC	347039	1.000	435599	609623	SPADE
0.22	600DC	347038	1.380	186961	726633	RING
0.25	400DC	315961	1.000	320167	315960	PLUG
0.50	400DC	317366	-----	320167	528141	PLUG
0.50	400DC	315959	2.375	320167	315958	PLUG
0.68	600DC	347046	1.820	320167	627912	PLUG
0.68	600DC	347046	2.000	109262	723186	RING
0.68	600DC	347046	4.750	334921	726632	RING
0.68	600DC	347046	4.500	435599	609081	SPADE
1.00	200DC	2102374	2.000	320167	2103102	PLUG
1.00	200DC	5422331	2.380	187243	5400889	PLUG
1.00	200DC	5422331	1.625	187243	5400890	PLUG
1.00	400DC	288963	1.500	214460	504808	PLUG
8.00	70DC	5271258	3.500	334921	5271282	RING

CERAMIC AXIAL LEADS CAPACITOR

A	B	C	E	F	PART NO
010PF	500DC	20%	.562	.250	317265
030PF	500DC	10%	.562	.250	355652
068PF	500DC	10%	.552	.240	317336
100PF	200DC	10%	.440	.170	350428
100PF	500DC	10%	.562	.250	317266
150PF	200DC	10%	.440	.170	350432
240PF	500DC	5%	.562	.250	491009
330PF	200DC	10%	.440	.170	350440
360PF	200DC	10%	.440	.170	350441
470PF	200DC	10%	.440	.170	350444
560PF	200DC	10%	.440	.170	483358
680PF	200DC	10%	.440	.170	350449
680PF	500DC	10%	.547	.235	360037
680PF	500DC	20%	.562	.250	317337
750PF	200DC	10%	.440	.170	350450
750PF	500DC	10%	.547	.235	492685
1000PF	500DC	10%	.812	.250	356069
10000PF	100DC	10%	.250	.094	813204

CERAMIC AXIAL LEADS CAPACITOR ASSEMBLIES

A	B	CAP.P/N	D	TERM NO	ASSEM.NO	TERM.
100PF	500DC	317266	1.500	320167	478000	PLUG
390PF	500DC	360034	1.250	596255	5371529	SPEC.

LEGEND A-CAPACITANCE MFD,UNLESS POSTED
B-VOLTAGE
C-TOLERANCE
D-LEAD LENGTH
E-BODY LENGTH
F-BODY DIAMETER

CERAMIC RADIAL LEADS CAPACITOR
DISC TYPE

A	B	C	D	F	PART NO
068PF	500DC	20%	1.500	.290	596243
470PF	500DC	10%	1.500	.688	323852
1000PF	500DC	---	1.500	.375	321181
2000PF	500DC	---	1.250	.375	359530
2000PF	500DC	20%	1.500	.594	317356
2200PF	500DC	20%	1.500	.750	334912
5000PF	500DC	---	1.250	.438	2102173
6800PF	1000DC	10%	1.750	.625	615417
10000PF	75DC	10%	1.250	.750	419190
10000PF	500DC	80%	1.500	.594	317262
10000PF	1000DC	20%	1.500	.750	472639
10000PF	1000DC	20%	1.500	.920	737805
20000PF	450DC	---	1.250	.594	359775
20000PF	500DC	20%	1.500	.593	356122
20000PF	500DC	80%	1.500	.675	596971
20000PF	500DC	---	1.500	.750	471702
20000PF	600DC	80%	1.500	.645	323972
20000PF	600DC	---	1.500	.750	440949
50000PF	10DC	80%	2.000	.530	532176
50000PF	500DC	80%	1.250	.765	364911
100000PF	75DC	---	1.250	.750	419184
100000PF	100DC	70%	1.500	.760	492447
100000PF	500DC	80%	1.250	.905	5213736

CERAMIC RADIAL LEADS ASSEMBLIES
DISC TYPE

A	B	CAP.P/N	D	TERM NO	ASSEM.NO	TERM.
0.001	500DC	355493	1.500	364471	350695	SPEC.
0.010	450DC	317262	-----	435599	507560	SPADE
0.010	1000DC	472639	1.250	313361	2162799	SPADE
0.010	1000DC	472639	1.380	94856	2163731	RING
0.010	1000DC	472639	1.620	334921	639299	RING
0.010	1000DC	737805	1.810	334921	737806	RING
0.020	500DC	471702	1.250	435599	363423	SPADE
0.020	600DC	323972	1.000	435599	321296	SPADE
0.020	600DC	323972	1.250	186967	631147	SPADE
0.050	10DC	532176	2.000	813195	5729167	SPADE
0.050	10DC	532176	1.620	253453	5700232	RING
0.050	500DC	364911	.500	187243	1159347	PLUG
0.050	500DC	364911	.750	115186	556849	SPADE
0.100	75DC	419184	1.500	322025	5392918	RING
0.100	75DC	419184	1.250	253453	5266231	RING
0.100	75DC	419184	1.500	5214336	5392919	RING
0.100	100DC	492447	1.500	334921	5313168	RING

NOTES

CERAMIC RADIAL LEAD CAPACITOR

TUBULAR TYPE

A	B	C	D	E	F	PART NO
005PF	500DC	20%	1.250	.460	.240	317431
015PF	500DC	10%	1.250	.460	.240	317263
022PF	500DC	20%	1.250	.460	.240	317267
033PF	500DC	10%	1.250	.710	.240	317339
330PF	500DC	10%	1.500	.750	.156	334951

MICA AXIAL LEADS CAPACITOR

RECTANGULAR TYPE

A	B	C	E	F	PART NO
20PF	500DC	1%	.797	.469	317779
20PF	500DC	1%	.500	.281	334936
100PF	500DC	5%	.547	.312	322804
200PF	500DC	10%	.500	.281	320657
220PF	500DC	11%	.500	.281	322803
360PF	500DC	3%	.547	.312	2114554
7 7		8	8888	8 8	9

MICA RADIAL LEADS CAPACITOR

WAFER TYPE

A	B	C	E	PART NO
1000PF	100DC	10%	.490	737501

PLASTIC FILM,NONAXIAL LEADS CAPACITOR

A	B	C	PART NO	
0.010	250DC	20%	5214060	50 AMP
0.200	1000DC	20%	5213571	100 AMP
0.500	100DC	20%	5364225	40 AMP
0.500	100DC	20%	824687	20 AMP
0.500	100DC	20%	5213429	60 AMP
0.500	600DC	20%	5213430	100 AMP

PLASTIC FILM,AXIAL LEADS CAPACITOR

A	B	C	E	F	PART NO
1500PF	100DC	5%	.396	.169	492437
2400PF	100DC	5%	.396	.169	492403
2700PF	100DC	10%	.396	.169	217064
3900PF	100DC	5%	.396	.169	217028
4700PF	100DC	5%	.396	.169	492470
.001	100DC	10%	.396	.169	491227
0.001	100DC	5%	.396	.169	492441
0.002	100DC	5%	.396	.169	492402
0.002	100DC	20%	.450	.200	369433
0.010	100DC	10%	.396	.169	491228
0.010	100DC	5%	.396	.169	492411
0.015	100DC	5%	.703	.157	492503
0.018	100DC	2%	.703	.157	721803
0.022	100DC	10%	.703	.157	507536
0.033	100DC	10%	.703	.188	491263
0.036	100DC	5%	.703	.219	217051
0.047	100DC	10%	.703	.219	364889
0.047	100DC	5%	.703	.219	492432
0.047	100DC	2%	.703	.219	721085
0.047	400DC	10%	1.250	.389	477972

LEGEND A-CAPACITANCE MFD,UNLESS POSTED
B-VOLTAGE
C-TOLERANCE
D-LEAD LENGTH
E-BODY LENGTH
F-BODY DIAMETER

PLASTIC FILM,AXIAL LEADS CAPACITORS (CONTINUED)

A	B	C	E	F	PART NO
0.051	100DC	5%	.703	.250	217054
0.068	100DC	5%	.703	.250	492504
0.100	100DC	10%	.671	.297	217077
0.100	100DC	10%	.968	.328	535299
0.220	100DC	5%	1.220	.375	491318
0.330	100DC	20%	1.340	.422	363408
0.470	100DC	5%	1.340	.516	491319
0.470	100DC	2%	1.340	.516	721086
1.000	200DC	20%	1.875	.655	102531
1.500	600DC	20%	1.938	1.016	261977
2.000	200DC	20%	1.343	.780	5422332

PLASTIC FILM,AXIAL LEADS CAPACITOR ASSEMBLIES

A	B	CAP.P/N	D	TERM.NO	ASSEM.NO	TERM.
5100PF	100DC	217031	1.610	217265	646622	SPEC.
0.001	100DC	492441	1.870	187243	2156140	PLUG
0.001	100DC	492441	1.000	596255	832951	SPEC.
0.010	100DC	491228	1.610	216265	646623	SPEC.
0.010	100DC	492411	2.120	320167	610083	PLUG
0.015	100DC	492503	1.000	334932	5261779	RING
0.022	100DC	507536	1.000	596255	5261789	SPEC.
0.022	100DC	507536	1.250	596255	5382149	SPEC.
0.047	100DC	364889	-----	216265	889459	SPEC.
0.100	100DC	491320	1.250	320167	763409	PLUG
0.100	100DC	217077	1.380	334921	5708939	RING
0.220	100DC	491318	1.250	216265	630029	SPEC.
0.220	100DC	491318	1.250	187243	5344905	PLUG
0.220	100DC	491318	1.380	186962	5052514	RING
0.220	100DC	491318	2.000	320167	2130555	PLUG
0.220	400DC	477973	2.000	187243	477998	PLUG
0.330	100DC	363408	1.250	435599	610368	SPADE
0.330	100DC	363408	1.830	320167	603089	PLUG
0.470	100DC	491319	1.000	435599	610295	SPADE
0.470	100DC	491319	2.000	320167	2130556	PLUG
0.500	200DC	513567	1.625	435599	515392	SPADE
0.500	200DC	513567	.625	320167	513570	PLUG
1.000	100DC	491320	.660	596255	5266079	SPADE

PLASTIC RADIAL LEADS CAPACITORS

A	B	C	E	F	PART NO
0.033	600DC	10%	1.188	.469	2245096
0.100	400DC	10%	1.188	.578	2245095

ELECTROLYTIC TANTALUM,RADIAL LEADS CAPACITORS
SINTERED/SOLID SLUG CONSTRUCTION

A	B	C	E	F	PART NO
0.056	35DC	10%	.379	.140	124514
0.100	35DC	10%	.379	.140	124555
0.270	35DC	10%	.379	.140	133743
0.330	35DC	10%	.379	.140	124577
0.390	35DC	10%	.379	.140	222061

ELECTROLYTIC TANTALUM,RADIAL LEADS CAPACITORS (CONTINUED)
SINTERED/SOLID SLUG CONSTRUCTION

A	B	C	E	F	PART NO
0.560	35DC	10%	.379	.140	133820
0.680	35DC	10%	.379	.140	124581
0.800	100DC	20%	.710	.230	2123010
1.000	35DC	10%	.750	.220	491315
1.000	35DC	10%	.379	.140	124582
1.500	35DC	10%	.388	.190	124583
1.500	35DC	20%	.388	.190	492590
1.800	35DC	10%	.388	.190	133858
2.200	35DC	10%	.388	.190	124584
2.200	50DC	20%	.619	.190	2391032
3.300	35DC	10%	.388	.190	124585
3.400	35DC	10%	.960	.200	2145014
3.900	35DC	10%	.567	.190	133860
4.700	35DC	10%	.567	.190	124586
5.000	100DC	10%	1.500	.390	2123013
5.000	20DC	10%	.986	.217	483239
5.000	50DC	20%	.515	.203	491017
6.200	25DC	---	.450	.206	383608
6.800	20DC	10%	.388	.190	124587
6.800	35DC	20%	.567	.190	222077
6.800	35DC	10%	.567	.190	222063
8.200	35DC	10%	.688	.285	222064
10.000	15DC	---	.450	.206	351152
10.000	20DC	10%	1.500	.327	491316
10.000	20DC	20%	.567	.190	492541
10.000	20DC	10%	.567	.190	124588
22.000	20DC	10%	.567	.190	124591
22.000	35DC	10%	.688	.285	222069
22.000	100DC	20%	.703	.297	2129505
33.000	10DC	10%	.567	.190	124592
33.000	20DC	10%	.688	.285	222084
33.000	20DC	20%	.688	.285	492473
47.000	6DC	10%	.567	.190	124595
47.000	20DC	20%	.688	.285	222090
68.000	15DC	10%	.688	.285	222092
100.000	10DC	20%	.688	.285	222098
100.000	10DC	10%	.688	.285	492566
100.000	20DC	20%	.890	.347	483008
100.000	20DC	20%	.786	.351	5449099

ELECTROLYTIC TANTALUM,RADIAL LEADS CAPACITOR ASSEMBLIES
SINTERED/SOLID SLUG CONSTRUCTION

A	B	CAP.P/N	D	TERM.NO	TERM.	ASSEM NO
1.000	35DC	124582	1.500	736546	PLUG	1276497
1.000	35DC	124582	1.750	186967	SPADE	2503945
3.000	75DC	595355	1.170	813194	SPEC.	5355395
4.700	35DC	124586	1.600	187243	PLUG	2129314
4.700	46DC	124586	1.600	115186	SPADE	2127911
5.000	50DC	491017	1.250	596255	SPEC.	5312486
10.000	20DC	491316	3.120	216265	SPEC.	2163758
10.000	20DC	124588	1.250	596255	SPEC.	5312485
15.000	35DC	222067	2.250	187243	PLUG	5414382
22.000	35DC	222069	2.250	187243	PLUG	5414383
33.000	75DC	474820	1.500	187243	PLUG	5356016
47.000	20DC	222090	1.500	736546	SPEC.	1143409
100.000	10DC	492566	1.750	92784	RING	5820599
100.000	10DC	492566	1.500	92784	RING	5392963
100.000	20DC	483008	1.000	187243	PLUG	556839
100.000	20DC	483008	1.000	216265	SPEC.	613354

ELECTROLYTIC, ALUMINUM AXIAL LEADS CAPACITOR

A	B	PART NO	A	B	PART NO
5.0	12DC	360268	40.0	450DC	335959
5.0	50DC	422582	50.0	12DC	521737
5.0	50DC	527871	50.0	15DC	363414
5.0	100DC	360665	50.0	50DC	338138
5.0	350DC	338217	50.0	50DC	419277
5.0	150DC	482148	50.0	500C	369849
8.0	100DC	603258	50.0	60DC	332597
8.0	150DC	213535	50.0	70DC	2102177
8.0	450DC	192217	50.0	150DC	322778
8.0	500DC	103615	75.0	25DC	482171
10.0	15DC	363411	100.0	25DC	207310
10.0	25DC	482169	100.0	50DC	2114057
10.0	50DC	169108	100.0	500C	332564
10.0	50DC	803005	100.0	150DC	261854
10.0	100DC	526498	150.0	15DC	363413
10.0	100DC	721087	200.0	15DC	482175
10.0	150DC	5311989	250.0	12DC	482177
10.0	150DC	482155	250.0	15DC	95845
15.0	25DC	482170	250.0	500C	2109462
20.0	15DC	483030	300.0	15DC	208236
20.0	50DC	472530	350.0	30DC	609391
20.0	100DC	482161	500.0	25DC	2163287
20.0	150DC	226302	500.0	50DC	245570
20.0	400DC	556813	500.0	50DC	2163287
30.0	450DC	338216	600.0	25DC	207362
35.0	15DC	482174	700.0	15DC	208229
40.0	150DC	225620	1000.0	15DC	363407
40.0	200DC	2102381	1000.0	25DC	5213521
40.0	350DC	505352	1000.0	25DC	482490

ELECTROLYTIC, ALUMINUM AXIAL LEADS CAPACITOR ASSEMBLIES

A	B	CAP.P/N	D	TERM.NO	TERM	ASSEM.NO
0.5	450DC	241653	1.500	435599	SPADE	241654
4.0	100DC	602171	2.625	320167	PLUG	602638
4.0	100DC	602171	2.312	320167	PLUG	602666
4.0	250DC	286533	1.500	435599	SPADE	237044
4.0	450DC	206592	2.500	435599	SPADE	5344839
5.0	50DC	527871	1.500	186967	SPADE	832576
5.0	150DC	360665	2.500	596255	SPEC.	615748
8.0	100DC	603258	2.406	320167	PLUG	603255
8.0	100DC	603258	2.719	320167	PLUG	603254
10.0	25DC	482169	1.250	596255	SPEC.	762581
10.0	50DC	169108	2.500	320167	PLUG	336566
10.0	50DC	169108	1.000	320167	PLUG	310919
10.0	100DC	526498	1.250	320167	PLUG	763404
16.0	250DC	444984	1.500	435599	SPADE	442021
16.0	250DC	444984	3.000	435599	SPADE	194719
20.0	50DC	472530	1.250	216265	SPEC.	645197
25.0	50DC	99406	1.500	320167	PLUG	624009
35.0	15DC	482174	1.250	596255	SPEC.	832574
40.0	150DC	225620	2.500	255994	SPADE	345905
40.0	150DC	2102381	2.125	320167	PLUG	602276
40.0	150DC	225620	2.000	320167	PLUG	345925
50.0	50DC	369849	1.250	92784	RING	5761458
50.0	50DC	338138	1.500	187243	PLUG	581436
50.0	50DC	603107	1.938	320167	PLUG	603090
50.0	50DC	369849	-----	334921	RING	735376
50.0	350DC	437256	2.750	435599	SPADE	610022
100.0	25DC	207310	1.500	435599	SPADE	365927
100.0	25DC	207310	1.500	435599	SPADE	214364
100.0	25DC	207310	1.500	320167	PLUG	615893
100.0	25DC	207310	1.880	320167	PLUG	614745

LEGEND A-CAPACITANCE MFD,UNLESS POSTED
B-VOLTAGE
C-TOLERANCE
D-LEAD LENGTH
E-BODY LENGTH
F-BODY DIAMTER

ELECTROLYTIC,ALUMINUM AXIAL LEADS ASSEMBLIES-(CONTINUED)

A	B	CAP.P/N	D	TERM.NO	TERM.	ASSEM.NO
100.0	50DC	332564	2.500	320167	PLUG	223075
100.0	150DC	261854	3.000	320167	PLUG	340143
150.0	150DC	212096	3.800	320167	PLUG	212468
250.0	50DC	2109462	2.600	92784	RING	2175786
250.0	50DC	2109462	2.500	546045	PLUG	2174500
250.0	50DC	2109462	1.500	320167	PLUG	2154915
300.0	15DC	316173	5.000	216265	SPEC.	5361404
500.0	15DC	627732	1.750	360433	PLUG	626575
500.0	25DC	609391	3.000	435599	SPADE	609704
500.0	25DC	609391	3.000	320167	PLUG	609490
500.0	40DC	1138285	2.250	187243	PLUG	1177266
500.0	50DC	2163287	2.000	320167	PLUG	2163762
750.0	5DC	5214023	2.500	92784	RING	5733166
1000.0	15DC	363407	3.000	92784	RING	5820204
1000.0	15DC	363407	2.250	255994	SPADE	363426
1000.0	15DC	363407	2.750	320167	PLUG	626761

ELECTROLYTIC,ALUMINUM MISC.CAN SHAPE TYPE (AC) CAPACITORS

A	B	C	PART NO	CONNECTION
14-22	200AC	---	236675	PINS
47-56	320AC	---	749777	SCREWS
53-64	110AC	10%	2129504	SCREWS
53-64	280AC	---	804817	QUICK CONNECT
88-108	220AC	---	336877	LUGS
97-107	115AC	---	134808	SCREWS
100-150	300AC	---	2228445	PIN-PLUG IN
130-156	250AC	---	736326	QUICK CONNECT
145-174	110AC	---	749577	SCREWS
161-180	115AC	---	182553	SCREWS
189-227	115AC	---	804816	QUICK CONNECT
200-250	115AC	---	258431	LEADS
225-275	110AC	10%	148003	SCREWS
270-324	110AC	---	804702	SCREWS
270-324	160AC	10%	847160	QUICK CONNECT
322-392	165AC	10%	847162	QUICK CONNECT
324-360	110AC	---	336876	LEADS
378-420	115AC	---	249382	LUGS
400-480	115AC	---	804815	QUICK CONNECT
560-600	115AC	---	249253	LEADS

ELECTROLYTIC,ALUMINUM MISC.CAN TYPE SHAPE (DC) CAPACITORS

A	B	PART NO	CONN.	A	B	PART NO	CONN.
8.0	---DC	317418	SOLDER	150.0	200DC	151255	SCREWS
12.0	350DC	470760	SOLDER	200.0	200DC	167726	SOLDER
15.0	55DC	5708947	SCREWS	250.0	150DC	316136	SCREWS
50.0	75DC	2175053	SCREWS	250.0	350DC	322467	SCREWS
100.0	50DC	2245094	PINS	300.0	90DC	5213984	SOLDER
100.0	50DC	2175864	SCREWS	350.0	100DC	2174074	SCREWS
100.0	200DC	184088	SOLDER	400.0	300DC	443030	SCREWS
100.0	200DC	352519	SCREWS	400.0	350DC	357159	SCREWS
100.0	450DC	255911	SCREWS	450.0	50DC	526332	SCREWS
125.0	400DC	526333	SCREWS	500.0	40DC	1132699	SOLDER
140.0	450DC	527855	SCREWS	500.0	50DC	2175473	SCREWS

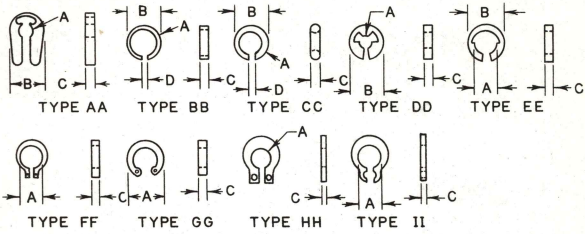
ELECTROLYTIC,ALUMINUM MISC.CAN TYPE SHAPE (DC) CONTINUED

A	B	PART NO	CONN.	A	B	PART NO	CONN.
500.0	200DC	5261375	SCREWS	6000.0	75DC	598881	SCREWS
500.0	200DC	2114965	SCREWS	6000.0	100DC	5253786	SCREWS
500.0	200DC	2102147	SCREWS	7000.0	13DC	208230	SCREWS
500.0	200DC	301870	SCREWS	7000.0	20DC	563839	SCREWS
500.0	310DC	515387	SCREWS	7000.0	25DC	801605	SCREWS
750.0	75DC	2245093	SOLDER	7200.0	40DC	5213458	SCREWS
750.0	175DC	5213983	SOLDER	7300.0	10DC	5261128	SCREWS
900.0	75DC	483108	SCREWS	7500.0	21DC	5261277	SCREWS
950.0	75DC	5214406	SCREWS	7500.0	25DC	524669	SCREWS
1000.0	25DC	609395	SOLDER	7750.0	10DC	207296	SCREWS
1000.0	45DC	208227	SCREWS	8000.0	15DC	1143246	SCREWS
1000.0	50DC	226417	SCREWS	8000.0	55DC	140470	SCREWS
1000.0	80DC	520846	SCREWS	8400.0	20DC	5270508	SCREWS
1000.0	150DC	252600	SCREWS	8900.0	30DC	5261077	SCREWS
1000.0	200DC	240130	SCREWS	9800.0	40DC	5214167	SCREWS
1000.0	400DC	5261462	SCREWS	10000.0	6DC	5261089	SCREWS
1000.0	400DC	5261374	SCREWS	10000.0	15DC	598341	SCREWS
1250.0	18DC	597444	SOLDER	10000.0	25DC	501544	SCREWS
1250.0	25DC	210845	SOLDER	10000.0	25DC	801604	SCREWS
1250.0	180DC	515386	SCREWS	10000.0	30DC	5214171	SCREWS
1500.0	25DC	483106	SCREWS	10000.0	33DC	208238	SCREWS
1500.0	50DC	2181753	SCREWS	10000.0	55DC	5266023	SCREWS
1500.0	80DC	334810	SCREWS	11000.0	10DC	5261370	SCREWS
1500.0	100DC	254835	SCREWS	11000.0	19DC	208221	SCREWS
1500.0	150DC	316135	SCREWS	11500.0	18DC	518151	SCREWS
1600.0	75DC	5261368	SCREWS	12000.0	25DC	801607	SCREWS
1800.0	40DC	5261129	SCREWS	12500.0	15DC	207311	SCREWS
2000.0	50DC	316138	SCREWS	12500.0	16DC	316139	SCREWS
2000.0	50DC	228626	SCREWS	13500.0	15DC	501545	SCREWS
2000.0	52DC	5261287	SCREWS	14000.0	13DC	208224	SCREWS
2000.0	60DC	134954	SCREWS	14000.0	25DC	801624	SCREWS
2500.0	45DC	208245	SCREWS	15000.0	10DC	479953	SCREWS
2500.0	70DC	218704	SCREWS	15000.0	12DC	598342	SCREWS
2500.0	75DC	5709383	SCREWS	15000.0	25DC	1143248	SCREWS
2500.0	75DC	5214159	SCREWS	15500.0	10DC	316137	SCREWS
2500.0	80DC	515385	SCREWS	16000.0	10DC	5253847	SCREWS
3000.0	25DC	609390	SOLDER	16000.0	30DC	5213837	SCREWS
3100.0	25DC	483107	SCREWS	17000.0	14DC	5261297	SCREWS
3100.0	75DC	5261087	SCREWS	17000.0	14DC	626589	SCREWS
3200.0	200DC	5261442	SCREWS	17000.0	15DC	5261057	SCREWS
3500.0	75DC	208232	SCREWS	18000.0	55DC	5239119	SCREWS
3600.0	70DC	538831	SCREWS	19000.0	25DC	2175862	SCREWS
3600.0	70DC	595251	SCREWS	20000.0	55DC	316997	SCREWS
3600.0	75DC	801608	SCREWS	20000.0	75DC	5214233	SCREWS
3750.0	75DC	480749	SCREWS	21000.0	15DC	5214180	SCREWS
4000.0	15DC	209561	SCREWS	22000.0	50DC	2181284	SCREWS
4000.0	30DC	208237	SCREWS	24000.0	10DC	5261067	SCREWS
4000.0	55DC	2123510	SCREWS	25000.0	6DC	598343	SCREWS
4500.0	55DC	441068	SCREWS	31000.0	15DC	1176712	SCREWS
5000.0	25DC	360244	SCREWS	42000.0	13DC	5261826	SCREWS
5000.0	36DC	598340	SCREWS	49000.0	10DC	5709382	SCREWS
5000.0	55DC	208222	SCREWS	55000.0	6DC	597955	SCREWS
5000.0	75DC	5261369	SCREWS	60000.0	8DC	5261247	SCREWS
5300.0	15DC	5261127	SCREWS	66000.0	6DC	5709380	SCREWS
5500.0	19DC	208228	SCREWS	66000.0	6DC	5213311	SCREWS
5500.0	45DC	208235	SCREWS	70000.0	13DC	5261825	SCREWS
5500.0	45DC	801645	SCREWS	70000.0	13DC	5239120	SCREWS
5800.0	50DC	5214163	SCREWS	74000.0	10DC	5213162	SCREWS
6000.0	55DC	5266095	SCREWS	84000.0	10DC	5214969	SCREWS
6000.0	55DC	2158757	SCREWS	100000.0	6DC	5709381	SCREWS

NOTES

CLIPS - RETAINING AND RING

LEGEND-DRAWING INDICATES WHETHER I.D. OR O.D. IS APPLICABLE



TYPE AA

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.094	.281	.020	147297	.125	.375	.020	257701	.187	.500	.020	257700
.125	.375	.020	60489	.187	.500	.020	60488	.281	.562	.020	139766

TYPE BB

A	B	C	D	PART NO	A	B	C	D	PART NO
.118	.165	.020	---	1117858	.328	.406	.028	.219	1979319
.153	.267	.014	.030	719247	.344	.360	.375	.281	600664
.172	.375	.028	.030	2100871	.500	.940	.062	.377	619951
.206	.365	.015	---	5213362	.680	.730	.040	.020	1171023
.254	.440	.026	.254	123535	1.390	1.516	.063	.875	203400
.254	.440	.027	.254	249249	1.859	2.095	.031	.156	2162529

TYPE CC

A	B	C	D	PART NO	A	B	C	D	PART NO
.080	.142	.025	.031	108206	.525	.588	.025	.031	197875
.192	.262	.035	.125	31785	.663	.703	.020	---	141812
.438	.516	.040	---	312575	.812	.938	.062	.219	190169
.451	.514	.025	.020	123532	1.516	1.641	.062	.375	133646
.500	.582	.041	.188	236474					

TYPE DD

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.051	.140	.010	251989	.094	.230	.010	11592058	.185	.437	.025	2161408
.051	.156	.010	469565	.094	.230	.012	21770148	.185	.437	.025	257982
.051	.156	.010	5257238	.094	.230	.015	1073418	.185	.440	.015	1165823
.051	.156	.015	1187168	.100	.203	.015	336329	.187	.437	.025	5393576
.062	.187	.015	5354838	.108	.250	.015	123206	.188	.500	.015	1979317
.062	.219	.015	2703822	.114	.282	.025	264641	.207	.527	.025	1144657
.062	.281	.015	617439	.122	.375	.025	1154169	.207	.527	.025	332747
.072	.206	.015	135436	.125	.281	.025	5393553	.219	.500	.025	5393555
.073	.187	.015	92524	.125	.312	.025	5393554	.243	.500	.025	251015
.073	.187	.015	219633	.125	.312	.015	25282	.243	.670	.025	1164850
.076	.375	.015	1141141B	.145	.335	.015	11321228	.250	.500	.025	5393556
.087	.250	.014	203423	.145	.335	.025	1095160	.300	.660	.035	237245
.093	.270	.015	2175670	.145	.335	.025	1092125	.392	.800	.042	219743
.094	.219	.020	5393552	.145	.335	.025	1165738	.406	.812	.042	1979318
.094	.230	.010	1125066B	.185	.437	.020	192049	.480	.940	.042	251759
.094	.230	.010	6381158				B-BOWED CLIP				

CLIPS (CONT.)

TYPE EE

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.094	.165	.015	2173838	.188	.280	.025	1103695	.359	.500	.025	324221
.102	.165	.015	1164665	.211	.311	.025	1105289	.375	.500	.015	5393801
.131	.205	.015	1125870	.211	.311	.025	236524	.441	.600	.035	256759
.161	.250	.015	364710	.270	.390	.025	324497	.608	---	.042	234452
.187	.281	.015	2703816	.328	.388	.025	236571				

TYPE FF

A	C	PART NO	A	C	PART NO	A	C	PART NO
.112	.010	2175902	.338	.025	332921	.550	.035	311161
.196	.015	5414165	.338	.025	332922B	.579	.035	2175003
.225	.025	5311892B	.354	.025	310953B	.693	042	236570
.225	.025	211128	.428	.025	424891	.867	042	223800B
.281	.025	103689	.437	025	2218457	.925	.042	587815
.320	.025	352563B	.509	.035	2155979	1272	050	2121731
.320	.025	352564	.550	.035	427246	1272	050	6269288
.338	.025	331935	B-BOWED CLIP					

TYPE GG

A	C	PART NO	A	C	PART NO	A	C	PART NO
.406	.025	2277291	.675	.035	366634	1.217	.050	515969L
.415	.025	5256679L	.763	.035	2173364	1.249	.050	5344997B
.500	.035	1187336	.831	.035	194612	1.249	.050	228133
.548	.035	5256147	.969	.042	5258723	1.351	.050	332774L
.620	.035	2175209	.971	.042	264054	1.486	.050	311158L
.675	.035	3510468	1.111	.050	2517758	3.191	.078	2274115
B-BOWED			L-BEVELED					

TYPE HH

A	C	PART NO	A	C	PART NO	A	C	PART NO
.120	.025	1118361	.266	.015	1979310	.344	.015	1979311
.120	.025	599617	.281	.030	5393945	.344	.025	1979309
.125	.015	2228019	.281	.035	1979320	.354	.042	311072
.150	.025	528552	.298	.042	1133746	.437	.035	1979356B
.150	.025	2176254	.309	.025	5256313	.437	.042	5393943
.181	.035	1115633	.328	.025	687381	.437	.024	2277224
.225	.025	5256461L	.328	.015	1979312	.461	.035	332912
.238	.035	332753	.344	.015	466070	B-BOWED		L-BEVELED

TYPE II

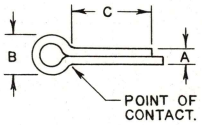
A	C	PART NO	A	C	PART NO	A	C	PART NO
.074	.024	1264270	.112	.010	2218040	.181	.035	1176934
.094	.010	2172031	.112	.024	2154208			

P/N 460622 PLIERS - TETAINING RING
ST TIPS,EXT.

P/N 460966 PLIERS - TETAINING RING
BENT TIPS,INT.

COTTER PINS

A	B	C	PART NO
.032	.375	.062	177959
.060	.875	.125	3530
.060	1.000	.125	314249
.088	1.500	.188	609685
.090	1.000	.188	55101
.090	1.250	.188	5422251
.120	1.250	.250	37989

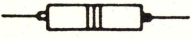
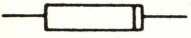
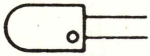


A-FRACTIONS/B-DECIMALS/C-MILLIMETERS EQUIVALENTS

A	B	C	A	B	C
1/64	.0156	.396	33/64	.5156	13.096
1/32	.0312	.792	17/32	.5312	13.492
3/64	.0469	1.191	35/64	.5469	13.891
- 1/16	.0625	1.587	- 9/16	.5625	14.287
5/64	.0781	1.984	37/64	.5781	14.684
3/32	.0938	2.382	19/32	.5938	15.082
7/64	.1094	2.779	39/64	.6094	15.479
- 1/8	.1250	3.175	- 5/8	.6250	15.875
9/64	.1406	3.571	41/64	.6406	16.271
5/32	.1562	3.967	21/32	.6562	16.667
11/64	.1719	4.366	43/64	.6719	17.066
- 3/16	.1875	4.762	-11/16	.6875	17.462
13/64	.2031	5.159	45/64	.7031	17.859
7/32	.2188	5.557	23/32	.7188	18.257
15/64	.2344	5.954	47/64	.7344	18.654
- 1/4	.2500	6.350	- 3/4	.7500	19.050
17/64	.2656	6.746	49/64	.7656	19.446
9/32	.2812	7.142	25/32	.7812	19.842
19/64	.2969	7.541	51/64	.7969	20.241
- 5/16	.3125	7.937	-13/16	.8125	20.637
21/64	.3281	8.337	53/64	.8281	21.034
11/32	.3438	8.732	27/32	.8438	21.432
23/64	.3594	9.129	55/64	.8594	21.829
- 3/8	.3750	9.525	- 7/8	.8750	22.225
25/64	.3906	9.921	57/64	.8906	22.621
13/32	.4062	10.317	29/32	.9062	23.017
27/64	.4219	10.716	59/64	.9219	23.416
- 7/16	.4375	11.112	-15/16	.9375	23.812
29/64	.4531	11.509	61/64	.9531	24.209
15/32	.4688	11.907	31/32	.9688	24.607
31/64	.4844	12.304	63/64	.9844	25.004
- 1/2	.5000	12.700	- 1/0	1.0000	25.400

NOTES

DIODES

MARKING	CATHODE IDENTIFICATION
	YELLOW SEAL CASE IS USUALLY BLACK
	COLOR CODE ON CATHODE END, IF NOT CENTERED
	BLACK TERMINAL
	TOP OF "P"
	BAR OF SYMBOL WHEREVER THIS SYMBOL APPEARS
	BLACK RING IF THERE ARE NO OTHER MARKINGS
	COLOR DOT IS NEAREST CATHODE LEAD
	ZENER DIODE SYMBOL NEGATIVE END

PART NO.	PART NAME
252697	DIODE – TYPE G
504611	DIODE – TYPE I
288007	DIODE – TYPE IN48
257800	DIODE – TYPE IN91
333264	DIODE – TYPE IN92
337699	DIODE – TYPE IN93
364448	DIODE – TYPE IN538
207316	DIODE – TYPE IN1692
440605	DIODE – TYPE J
334908	DIODE – TYPE M
333264	DIODE – TYPE P

DIODES

PART NO	TYPE	PART NO	TYPE	PART NO	TYPE
360028	AA	369388	DL	503592	GS
491008	AAS	369592	DM	2414884	GT
358818	AB	369593	DN	2414885	GU
527017	AB464	441107	DS	2414886	GV
359777	AC	597977	DT	2414887	GW
359962	AD	597978	DU	2414888	GX
492457	AGS	369606	DV	2414891	GY
442619	AK	369607	DW	2414895	HA
2106333	ALS	369610	DX	2414909	HB
2111232	AM	369611	DY	2414910	HC
491007	AN	208950	EB	2414927	HF
491281	AS	209002	EC	2391024	HM
491300	AU	335353	EF	2391107	HS
124628	AV	336996	EG	504611	I
317259	B	350573	EI	257800	IN91
492543	BRS	520908	EN	333264	IN92
550080	BT	589722	ER	337699	IN93
492496	BTU	595259	ES	352203	IN205
492617	CAS	369212	EU	364448	IN538
593813	CC	252646	F	207316	IN1692
369117	CD	369623	FB	440605	J
369118	CE	369633	FE	2391158	JB
369120	CG	369634	FF	2391159	JC
341622	CH	369635	FG	2391166	JD
316247	CI	369639	FH	2391100	JE
369105	CJ	369642	FI	2391101	JF
207398	CK	369649	FN	2391179	JG
369125	CL	369655	FO	2391181	JH
369129	CM	503591	FS	2391214	JM
369131	CO	369676	FX	2391252	JR
369192	CP	369677	FY	492430	JS
369188	CS	252697	G	334908	M
369200	CX	369684	GD	349511	MD
369127	DB	2414808	GG	364138	P
369599	DC	2414810	GI	210921	PS
369203	DD	2414812	GJ	2232152	SE
369197	DF	2414815	GL	2228481	SH
369217	DH	2414816	GM	2197856	SL
369218	DJ	2414861	GN	8025018	UD
369216	DK	2414862	GO	5213987	YS

DIODE ASSEMBLIES

LEGEND A-WITH TERMINALS
B-WITHOUT TERMINALS
C-GROUP DIODES-WITH TERMINALS

PART NO	TYPE	LEGEND	PART NO	TYPE	LEGEND
620009	AAS	A	2109415	ALS	B
620208	AAS	A	2124243	ALS	A
5171934	AAS	A	2161894	ALS	A
527017	AB464	A	2486138	ALS	A (4)
1135016	ALS	C (6)	2486139	ALS	A (4)
1135573	ALS	A	347820	AM	A
1135575	ALS	A	362131	AM	A-W/RES.820 OHM,.5W
1135643	ALS	C (2)			
1145414	ALS	C (6)	599686	AM	A
1145415	ALS	C (7)	603603	AM	A
1145475	ALS	C (4)	615354	AM	A
1159420	ALS	C (2)	639290	AM	A
2106334	ALS	A-CONTROL PANL	668910	AM	A
2106365	ALS	W/METAL SHOLDR AND LEADS	674052	AM	A
			825477	AM	A

DIODE ASSEMBLIES (CONTINUED)

PART NO	TYPE	LEGEND
825563	AM	A
1128545	AM	C (16-PLATE)
1135513	AM	A
1135574	AM	C (3)
1160777	AM	A
1160915	AM	C (4-PACK ASM)
2106772	AM	W/METAL SHOLDR AND LEADS
2106917	AM	A
2106954	AM	A
2118964	AM	A
2219116	AM	A
2242445	AM	A
2281428	AM	A
2296311	AM	A
2501210	AM	A
2501211	AM	C (3)
2501440	AM	C (4)
2542049	AM	A-W/RES 47 OHM .25W W/SPADE
2542050	AM	A-W/RES 47 OHM .25W W/PLUG
2588449	AM	A
5152138	AM	C (4)
5172049	AM	A
5270652	AM	A
5271627	AM	A
5372618	AM	A
5401043	AM	A
5478898	AM	A
5783597	AM	C (28)
5888629	AM	A
5799318	AM/YS	C
721579	AU	A
599392	BRS	A
5725631	CE	A
642722	CH	A
2170053	CH	A
615952	CI	A
621405	CI	A
637022	CI	A
637026	CI	A
603793	CK	A
619462	CK	
2232996	CM	A
2228876	DD	A
2296258	HF	A
603093	IN91	A
5368225	DD	A
5422252	DD	A
2124201	DJ	A
2124202	DJ	C (2)
2507293	DJ	A-W/RES 1.5K .25W
2162824	DT	A
810772	DW	A
628003	DX	A
345926	EG	A-GERMANIUM
2232995	EI	A
725115	ER	A
2195405	FE	A
1146536	GJ	A
2137305	GJ	A
5270759	GL	A
5700795	GY	C-2 PACK ASM
5700796	GY	C-2 PACK ASM
2162849	HF	A
2250867	HF	A
802175	IN91	A
333265	IN92	A
341387	IN92	A
352375	IN92	A
441511	IN92	A
471765	IN92	C (4)
507091	IN92	A
545971	IN92	A
556468	IN92	A
602931	IN92	A
670580	IN92	A
757362	IN92	A
5312428	IN92	A
5462002	IN92	A
364431	IN537	C (5)
352385	IN538	A
369762	IN538	A
828301	IN1692	A
828302	IN1692	A
2175792	IN1692	A
5391010	JD	C-2 PACK ASM
5391011	JD	C-2 PACK ASM
2192714	JE	A
5723675	JG	A
634548	JM	A
604837	MD	A
369844	P	A
5756327	YS	A

NOTES

EXTENSION DRILLS

A-DRILL/B-DRILL SIZE (INCHES)/C-EXTENSION (INCHES)D-MILLIMETER

A	B	C	D	PART NO.	A	B	C	D	PART NO.
1/2	.500	24	12.700	154292	21	.159	15	4.039	154365
F	.257	5	6.528	158833	24	.152	14	3.861	173261
1/4	.250	18	6.350	450152	29	.136	14	3.454	173260
7/32	.218	14	5.537	450048	1/8	.125	14	3.175	450237
7	.201	18	5.105	178666	33	.113	14	2.870	450002
14	.182	14	4.623	173262	37	.104	14	2.641	450058
16	.177	9	4.496	158799	48	.076	12	1.930	167717
20	.161	15	4.089	171308	53	.059	3.5	1.499	450253

FRACTION - LETTER DRILLS

A	B	C	PART NO.	A	B	C	PART NO.
1/8	.125	3.175	3993	17/64	.265	6.731	55773
15/64	.234	5.943	450169	5/16	.312	7.925	450337*
D	.246	6.248	4002	Q	.332	8.433	450421*
1/4	.250	6.350	4003	11/32	.343	8.712	450055*
F	.257	6.528	170	3/8	.375	9.525	450371*
G	.261	6.629	55782	1/2	.500	12.700	450369*

NOTE - * DRILL HAS 1/4 INCH SHANK

NUMBER DRILLS

A-DRILL NO./B-DRILL SIZE (INCHES)/C-MILLIMETERS

A	B	C	PART NO.	A	B	C	PART NO.
1	.228	5.791	-- 55781	31	.120	3.048	-- 3992
2	.221	5.613	-- 450300	32	.116	2.946	-- 3991
3	.213	5.410	-- 450272	33	.113	2.870	-- 55766
4	.209	5.309	-- 450298	34	.111	2.819	-- 450302
5	.205	5.207	-- 4001	35	.110	2.794	-- 3990
6	.204	5.182	-- 450168	36	.106	2.692	-- 3989
7	.201	5.105	-- 450277	37	.104	2.642	-- 450162
8	.199	5.055	-- 4000	38	.101	2.565	-- 450179
9	.196	4.978	-- 450167	39	.099	2.515	-- 450291
10	.193	4.902	-- 3999	40	.098	2.489	-- 55764
11	.191	4.851	-- 450301	41	.096	2.438	-- 450263
12	.189	4.801	-- 3998	42	.093	2.362	-- 450161
13	.185	4.699	-- 3997	43	.089	2.261	-- 3988
14	.182	4.623	-- 450278	44	.086	2.184	-- 55763
15	.180	4.572	-- 55771	45	.082	2.083	-- 3987
16	.177	4.496	-- 450166	46	.081	2.057	-- 450256
17	.173	4.394	-- 450130	47	.078	1.981	-- 450160
18	.169	4.293	-- 450165	48	.076	1.930	-- 55762
19	.166	4.216	-- 3996	49	.073	1.854	-- 450159
20	.161	4.089	-- 55770	50	.070	1.778	-- 450257
21	.159	4.039	-- 450164	51	.067	1.701	-- 3986
22	.157	3.988	-- 450265	52	.063	1.600	-- 450279
23	.154	3.912	-- 55769	53	.059	1.499	-- 450262
24	.152	3.861	-- 450287	54	.055	1.397	-- 450258
25	.149	3.785	-- 450289	55	.052	1.321	-- 450259
26	.147	3.734	-- 3995	56	.046	1.168	-- 450037
27	.144	3.658	-- 3994	57	.043	1.092	-- 450299
28	.140	3.556	-- 55767	58	.042	1.067	-- 450303
29	.136	3.454	-- 450163	59	.041	1.041	-- 450280
30	.128	3.251	-- 450290	60	.040	1.016	-- 450264

COMPLETE DRILL SET (1-60) WITH STAND - PART NO. 450716

PAPER BOUND FILTERS

LENGTH			WIDTH			THICKNESS		PART NUMBER	
4	5/8	X	4	1/2	X		3/8	2228414	
4	3/4	X	4	3/4	X		1/2	1143439	
5		X	4	9/16	X		1/2	838489	
5	1/8	X	3	7/8	X		1/2	2153736	
5	1/8	X	4	1/2	X		1/2	2153723	
5	5/16	X	5	5/16	X		5/16	5711748	
5	3/8	X	4	7/8	X		1/2	5232826	
5	1/2	X	3	5/8	X		1/2	595685	
6		X	6		X		3/8	5392954	
6	1/4	X	3	5/8	X		7/8	805389	
6	5/16	X	5		X		7/16	737216	
6	3/8	X	5	1/4	X		1/2	333488	
6	3/8	X	5	1/2	X	1		331735	
6	7/16	X	6		X		1/2	836685	
6	1/2	X	4	9/16	X		1/2	838501	
6	1/2	X	6	1/4	X		5/16	5700587	
6	5/8	X	2	7/16	X		3/8	831709	
6	5/8	X	5		X		3/8	5352685	
6	3/4	X	6		X		7/16	2130055	
6	7/8	X	6	7/16	X		3/8	5129089	METAL FRAME
6	15/16	X	5		X		1/2	740447	
7	3/4	X	4	7/10	X		1/2	725257	
8		X	4		X		7/8	5776518	
8	5/16	X	5	5/16	X		7/16	5357064	
8	3/8	X	6	5/8	X		3/8	2590287	
8	3/8	X	6	5/8	X		7/16	5133527	
8	3/8	X	6	7/8	X		7/8	522616	
8	1/2	X	5	1/8	X		3/4	820294	
8	1/2	X	7		X		7/16	5722010	
8	5/8	X	6		X		1/2	2156021	
8	3/4	X	3	3/16	X		1/2	831699	
8	3/4	X	7	3/4	X		7/8	5112524	
8	13/16	X	5	3/16	X		3/4	5374368	
8	7/8	X	6	3/8	X		3/8	2122120	
8	7/8	X	7	7/8	X		1/2	323957	
9		X	4		X		3/4	723354	
9		X	7		X		1/2	821614	
9		X	7		X		3/4	511216	
9	1/8	X	9		X		1/4	534962	
9	1/4	X	4	3/4	X		3/8	2197230	
9	1/4	X	5		X		3/8	5374369	
9	1/4	X	5	1/8	X		7/16	5374369	SPONGE SIDES
9	3/8	X	4	3/4	X	1		642130	
9	3/8	X	5	1/8	X		3/8	742612	
9	1/2	X	5	1/2	X		1/2	5309581	
10		X	5		X		1/2	1960562	
10		X	6		X	1		331734	
10		X	10		X		15/16	2101075	
10	1/4	X	5	3/4	X		15/16	511212	
10	1/4	X	6		X		1/2	2191468	
10	1/4	X	6	1/4	X	1		2111860	
10	1/2	X	8	7/16	X		15/16	507981	
10	5/8	X	5	3/8	X		1/2	4033431	
10	5/8	X	10	1/4	X		7/16	2703946	
10	3/4	X	8	15/16	X		7/16	827475	
11		X	11		X		3/4	2124059	
11		X	11		X		15/16	505315	
11	3/8	X	3	7/8	X		1/2	610508	
11	3/8	X	4	13/16	X		7/8	515729	
11	3/8	X	5	15/16	X		7/8	515728	
11	3/8	X	8	1/4	X	1		332891	
11	11/16	X	10	5/16	X	1		322369	
11	3/4	X	7	1/2	X		1/2	825969	

PAPER BOUND FILTERS (CONT.)

12		X	6		X	1		5700150	
12		X	6	1/2	X		1/2	2128556	
12		X	7	1/4	X	1		2131521	
12	1/8	X	9	1/4	X		1/2	725734	
12	1/4	X	5	3/5	X		1/2	824368	
12	3/8	X	4	1/2	X		7/16	5421623	
12	3/8	X	5		X		1/2	2154885	
12	3/8	X	11	17/32	X		1/2	725204	
12	7/16	X	6	7/8	X		15/16	524312	
12	7/16	X	7	1/8	X		1/2	826253	
12	1/2	X	5		X		1/2	615379	
13		X	3	3/4	X	1		321861	
13		X	3	7/8	X		1/2	725810	
13		X	8	7/16	X		15/16	507990	
13		X	9		X	1		262840	
13	1/2	X	5	1/8	X		7/16	2503536	
13	1/2	X	7		X		7/16	5993133	
13	1/2	X	13		X	1		557820	
13	5/8	X	13	3/8	X		7/8	557821	
13	13/16	X	4	15/16	X		15/16	515650	
13	7/8	X	9	7/8	X		1/2	507129	
13	15/16	X	8	15/16	X		1/2	505829	
14		X	5		X		1/2	2128593	
14		X	6		X		1/2	2133490	
14	3/16	X	11	5/16	X	1		471566	
14	1/2	X	5	7/8	X		7/16	5993182	
14	5/8	X	5		X		3/8	5133528	
14	7/8	X	13		X		7/16	2306389	
15		X	14		X	1		2173129	
15	1/8	X	5	3/16	X		1/2	2130028	
15	1/2	X	3	1/4	X		1/2	2583954	
15	1/2	X	4		X	1		474359	
16	1/8	X	9	1/8	X		1/2	2281575	
16	1/4	X	3	3/4	X		1/2	725267	
16	1/4	X	7	1/4	X	1		2103753	
16	1/4	X	9		X	1		353013	
16	1/2	X	11	1/2	X		3/4	851855	
16	7/8	X	10		X	1		207628	
17		X	5	3/5	X		1/2	733346	
17		X	9		X	1		262839	
17		X	10	7/8	X		7/8	5311720	
17	1/8	X	5		X		3/8	4681518	
17	1/4	X	5	1/2	X		15/16	528418	
17	1/4	X	7	7/8	X		15/16	528417	
17	5/16	X	5	7/16	X		1/2	5700069	
17	3/8	X	5	1/4	X		1/2	4037557	
17	3/4	X	5	5/16	X		1/2	4203547	
17	3/4	X	17	1/4	X		7/8	614529	
17	13/16	X	5	3/16	X		7/16	5349889	
17	7/8	X	4	1/4	X		3/4	5302119	
17	7/8	X	4	7/8	X		3/4	828371	
17	15/16	X	5		X		3/4	828371	
18	3/8	X	6	7/8	X		7/16	7367443	METAL FRAME
18	7/16	X	4	3/4	X		7/16	2243128	
18	7/8	X	3	7/8	X		7/8	597250	
19		X	12	1/4	X		15/16	518409	
19	1/4	X	6	1/4	X		7/8	1119610	
19	3/8	X	8	1/2	X		15/16	518028	
19	3/8	X	15	1/2	X	1	7/8	2513132	METAL FRAME
19	11/16	X	6	13/16	X		7/16	5405181	
19	13/16	X	5		X		1/2	4034386	
19	7/8	X	10		X	1		223948	
19	15/16	X	5	5/16	X		1/2	4204138	
20	1/4	X	5		X	1		254372	
20	3/8	X	8	3/8	X		15/16	524216	
20	1/2	X	13	7/8	X		15/16	508143	
20	5/8	X	5		X		1/2	2145149	
20	13/16	X	11	9/16	X	1		320031	

PAPER BOUND FILTERS (CONT.)

21		X	5		X		1/2	830259	
21		X	7		X	1		318719	
21		X	10	1/4	X		15/16	521101	
21		X	11		X	1		320030	
21	7/32	X	8	5/16	X		15/16	524219	
21	3/8	X	10	1/2	X	1		2274430	
21	3/4	X	10	3/4	X	1		322368	
22		X	12		X		15/16	518048	
23		X	8		X		1/2	1176756	
23		X	13	1/2	X		7/8	805390	
23	3/8	X	7		X	1		5213245	
23	3/8	X	12	3/8	X		15/16	509955	
23	3/4	X	4		X		7/8	2109502	
23	3/4	X	11	3/4	X		7/8	2286891	
23	13/16	X	4	7/8	X		1/2	594203	
23	13/16	X	4	7/8	X		15/16	594309	
23	13/16	X	4	15/16	X		15/16	515648	
23	13/16	X	12	13/16	X		15/16	515649	
23	7/8	X	6	7/8	X	1	1/2	2591358	METAL FRAME
24		X	5		X	1		196312	
24	1/4	X	9	1/8	X		7/16	2281677	
24	7/8	X	6		X		1/2	2590223	
25	1/2	X	10	1/2	X		15/16	334204	
25	5/8	X	7		X	1		300787	
26	1/4	X	8		X		15/16	507373	
26	3/8	X	5	1/4	X		1/2	4681517	
26	1/2	X	4		X		1/2	615088	
26	1/2	X	10	1/4	X		15/16	521103	
26	5/8	X	13	25/32	X		7/8	597334	
26	3/4	X	4	13/16	X		7/16	2184104	
27	1/8	X	8	5/16	X		15/16	509961	
27	3/16	X	8	1/2	X		15/16	522613	
27	1/4	X	10	1/4	X	1		319973	
27	5/8	X	5	3/8	X		3/4	760403	
28	3/4	X	6	1/4	X		7/16	5128844	
29		X	5	1/8	X		15/16	511152	
29	1/4	X	5	1/4	X		7/16	4204141	
30	1/16	X	8	1/2	X		15/16	504163	
30	7/8	X	8	5/16	X		15/16	509953	
31	1/8	X	5	1/2	X		1/2	826413	
31	3/8	X	4	1/2	X		1/2	2153722	
31	3/4	X	4	5/8	X		1/2	2156022	
33	1/3	X	13	3/4	X		7/8	738916	
34	1/8	X	5	3/4	X		3/4	5321960	
34	1/4	X	7	1/2	X		15/16	519038	
34	1/4	X	9	3/4	X		15/16	504164	
34	1/2	X	5	3/4	X		3/4	760834	
36		X	8		X		1/2	5150238	
36	1/2	X	5	1/2	X		1/2	725401	
41		X	14		X		15/16	331595	
45		X	10	1/8	X	1		317665	
46	1/16	X	4	7/8	X		1/2	824333	
51	1/8	X	10	3/8	X	1		317719	
57	1/2	X	10	1/4	X		15/16	521102	

SPONGE BORDER

9	1/4	X	5	1/2	X		3/8	5443204

ALUMINUM FRAME SPONGE INSERT FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
8	1/4	X	5	7/8	X	7/16	2504253 COARSE
8	1/4	X	5	7/8	X	7/16	2246416 FINE
8	1/2	X	6	3/8	X	7/16	2539373
8	3/4	X	8	3/8	X	7/16	5270743
10	3/8	X	6	3/4	X	7/16	5357029
12		X	5	7/8	X	7/16	5366769

ALUM. FRAME SPONGE INSERT (CONT.)

12	1/4	X	5	7/8	X	7/16	5349615
12	1/2	X	5	7/8	X	7/16	5720334
13	1/4	X	6	3/4	X	7/16	5357114
13	3/4	X	5	7/8	X	7/16	2286608
14		X	6	3/8	X	7/16	2539312
14	5/16	X	5	3/4	X	3/8	5714582
17	3/4	X	5	7/8	X	7/16	5357013 COARSE
17	3/4	X	5	7/8	X	7/16	2246415 FINE
24	5/8	X	9	1/8	X	7/16	5795675
27	7/8	X	5		X	7/16	2190693

SPONGE INSERT FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
6	1/4	X	3	7/16	X	3/8	2180475
7	3/16	X	7	3/16	X	7/16	675226
8		X	8		X	1/2	5702448
8	3/4	X	4		X	3/8	2199270
9		X	2	7/8	X	3/8	2181812
11	1/4	X	4	3/4	X	1/8	2249872
12		X	2	3/8	X	3/8	2218349
14	5/8	X	2	7/8	X	3/8	5795960
15	3/8	X	3		X	1/2	2250816
19	1/2	X	2	7/8	X	1/4	5770270

PLASTIC FACED SPONGE TYPE FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
6	3/4	X	6		X	1	5356589
7	1/4	X	6	1/2	X	3/8	5355538
7	5/8	X	6	3/4	X	1	5408939
8		X	6	7/8	X	5/16	5329144
18	3/8	X	7	1/8	X	5/8	5355571
18	7/8	X	7		X	1/4	5313990
20	1/8	X	7	1/8	X	1/2	5368328

ALUMINUM FRAME & ALUMINUM MESH FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
5		X	5		X	7/16	5468931
7	3/4	X	4		X	7/16	536527
17	3/4	X	5	7/8	X	7/16	5357013
23	3/8	X	12	3/4	X	7/16	2278529

ALUMINUM MESH FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
6	13/16	X	5		X	1/8	846883
21	1/2	X	2	11/16	X	1/8	598653
21	5/8	X	2	3/8	X	1/8	594964
22	1/8	X	3	3/16	X	1/8	596422
23	7/8	X	12	1/26	X	1/8	599305
26	3/8	X	6	5/8	X	1/8	594645
33		X	11	7/8	X	1/8	536742

HONEY COMB TYPE FILTERS

LENGTH			WIDTH			THICKNESS	PART NUMBER
8	1/8	X	6	15/16	X	6	2218348 OVALSHAPE
12		X	9		X	5 7/8	2174036
12	1/8	X	12		X	6	5213224
24		X	24		X	6 1/8	2121142

CORRUGATED TYPE FILTER

LENGTH	WIDTH	THICKNESS	PART NUMBER
14 1/4	8 1/2	1 3/4	517821

CORRUGATED SPONGE BOARDER

8 1/8	4	15/16	5776518

CYLINDER TYPE FILTERS

LENGTH	OUTSIDE DIA.	THICK,S	PART NO.
2 3/4	2 1/16	3/16	399261
2 3/4	2 1/16	1/4	2512073

TROUGH SPONGE TYPE FILTER LENGTH 6 5/8" P/N 5704951

CAN TYPE AIR PURIFIER/EQUALIZER (KOBY) P/N 889311
CAN TYPE OIL FILTER (PUROLATOR PF-2014) P/N 1765653
CAN TYPE (CAMBRIDGE CFM 3.5-P100-DOP PEN .002%) P/N 2513498
CAN SQUARE (CAMBRIDGE CFM .6-P .76-DOPPEN.008%) P/N 2524998
CAN TYPE OD 4" X 2 1/8 (LUWA MFG.) P/N 2597939

CAP TYPE SPONGE FILTER OD 5 1/4" DEPTH 3 5/8" P/N 5783222

CIRCULAR FIBRE TYPE FILTER OD 5 1/8" 1/2"THICK P/N 216319

CIRCULAR SPONGE TYPE FILTER SOD 5",1" THICK P/N 5795959

FILTER BAG OD 6" P/N 216365
10 X 7 X 11 CARDBOARD PLATFORM P/N 2471435

FIBRE INSERT FILTER FOR FILTER P/N 2513132 MACH. 2420

LENGTH	WIDTH	THICKNESS	PART NUMBER
19 1/2	15 1/2	1/2	2513133

CIRCULAR CORRUGATED TYPE FILTERS

OD DIA.	HEIGHTH	THICKNESS	PART NUMBER
4 3/8	1 3/8	3/16	258723
5 3/8	2 3/8	1 1/16	2219104
6 3/4		3	2447664 AFP-58
9 3/4	2 1/4	7/8	2160715
12	3 3/8		2590994 SA-26

FELT INSERTS/STRIPS-FILTERS

LENGTH	WIDTH	THICKNESS	PART NUMBER
4 7/8	2	1/8	736986
36	1 1/4	1/4	223675
36	1 1/4	1	223674

LEGEND
3AB - CERAMIC
ABC - CERAMIC
AGC - INSTANT TRIP GLASS SAME AS AGX AND MBK
AGU - INSTANT TRIP GLASS
AGX - SAME AS AGC AND MBK
BAF - INSTANT TRIP LMNTD
FNA - TIME LAG INDICATE FIBRE
FNJ - HIGH QUALITY FNA
FNM - TIME LAG TRIP FIBRE
FRN - SAME AS FNM W/HIGH AMP
GBB - CERAMIC
GFA - MEDIUM LAG GLASS
GFB - INSTANT TRIP GLASS WITH LEADS
GFC - INSTANT TRIP GLASS WITH LEADS
GJV - INSTANT TRIP GLASS WITH LEADS
GLD - INSTANT INDICATE FIBRE
GLN - INSTANT TRIP GLASS WITH LEADS
GMA - INSTANT TRIP GLASS WITH LEADS
KTK - INSTANT TRIP GLASS HIGH PERF.
KTN - INSTANT TRIP GLASS HIGH PERF.
MBK - SAME AS AGC AND AGX
MDA - CERAMIC
MDL - TIME LAG TRIP GLASS
MDV - TIME LAG GLASS
MDX - TIME LAG GLASS
MIC - INSTANT INDICATE LMNTD
MIJ - HIGH QUALITY MIC
MIN - INSTANT INDICATE FIBRE
MTH - INSTANT TRIP GLASS
NON - INSTANT TRIP FIBRE

NOTE: COLUMN"R"(A-WITH LEADS,B-PLUGGABLE,C-MINIATURE W/LEADS)

PART NO	AMPS	LENGTH	CODE	R
356637	.010	1.00	AGX	
440385	.010	1.25	3AG	
505078	.020	1.00	8AG	
219862	.031	1.25	AGC	
171703	.031	1.00	AGX	
687625	.031	1.00	8AG	
5112293	.050	1.25	AGC	
219861	.062	1.25	AGC	
179230	.062	1.00	AGX	
452786	.062	.343		B
322779	.100	1.50	FNA	
252588	.100	1.50	FNM	
453614	.100	.79	F104	
304883	.100	1.25	MDL	
322762	.125	1.25	AGC	
5495481	.125	1.50	KTK	
762806	.150	1.25	N	
1143632	.175	1.25	AGC	
111260	.175	1.25	MDL	
322780	.200	1.50	FNA	
252589	.200	1.50	FNM	
53436	.200	1.25	MDL	
111261	.250	1.25	AGC	
1978990	.250	1.25	3AB	
2102422	.250	1.00	AGX	
2149409	.250	1.25	GJV	A
303805	.250	1.21	MDL	
5442712	.250	.30		A
7025860	.300	1.25	AGC	
492544	.300	.30	GFA	A
111268	.300	1.50	FNA	
5131160	.300	1.50	FNA	
254628	.300	1.50	FNM	
78998	.300	1.25	MDL	
111254	.375	1.25	AGC	
492487	.375	1.25	GFC	A
5394381	.375	1.25	MDL	
117403	.400	1.50	FNM	
559362	.400	.30	GLN	A
111262	.400	1.25	MDL	
322781	.500	1.50	FNA	
452806	.500	.75	GMA	
3577	.500	1.25	MBK	
78999	.500	1.25	MDL	
334828	.500	1.50	MIC	
5052561	.500	.30		A
855230	.600	1.25	AGC	
2185372	.600	1.25	AGC	
322782	.600	1.50	FNA	
252590	.600	1.50	FNM	
814002	.600	.30		A
111263	.600	1.25	MDL	
536772	.750	1.00	AGX	
111255	.750	1.25	3AG	
507806	.750	1.25	GJV	A
5420301	.750	1.25	GFB	A
253638	.750	1.25	GLD	
111264	.750	1.25	MDL	
322783	.800	1.50	FNA	
117401	.800	1.50	FNM	
304882	.800	2.00	FRN	
7026780	.800	.75	T	
7026804	.800	.75	F800MA	
5052562	1.00	.30	SUB	C
453049	1.00	.343	MICRO	B
453557	1.00	1.00	8AG	

FUSES (CONT.)

5214300	1.00	1.25	ABC	
855253	1.00	1.25	AGC	
2149269	1.00	1.25	3AG	A
2145070	1.00	1.25	GLD	A
550771	1.00	1.25	GJV	A
6325	1.00	1.25	MBK	
303549	1.00	1.25	MDL	
2797966	1.00	1.25	3AG	
107799	1.00	1.50	BAF	
322895	1.00	1.50	FNA	
252591	1.00	1.50	FNM	
322891	1.00	1.50	MIC	
598494	1.00	1.50	AGU	
5267045	1.25	1.25	3AG	
252592	1.25	1.50	FNM	
111270	1.25	1.50	FNA	
2111722	1.25	2.00	FRN	
1176668	1.50	1.25	MDX	
505077	1.50	1.25	MDL	
6075440	1.50	1.25	FOZA	
5214149	1.50	1.25	AGC	
492658	1.50	.30	GFA	A
2592787	1.50	.30	GFA	A
322896	1.60	1.50	FNA	
228391	1.60	1.50	FNM	
67689	1.60	2.00	FRN	
78951	1.60	1.25	MDL	
5213806	1.60	1.25	MDX	
244302	1.60	1.43	N	
2511625	2.00	1.25	AGC	
855231	2.00	1.25	AGC	
107803	2.00	1.50	BAF	
322784	2.00	1.50	FNA	
92734	2.00	1.25	FNM	
64794	2.00	2.00	FRN	
333952	2.00	1.25	GLD	
7026806	2.00	.75	M	
3344	2.00	1.25	MBK	
332009	2.00	1.25	MDL	
505791	2.00	1.25	MDV	A
615683	2.00	1.25	MDX	
322892	2.00	1.50	MIC	
59783	2.00	2.00	NON	
5052563	2.00	.30		A
5354897	2.25	1.25	MDL	
361755	2.50	1.25	MDL	
6010591	2.50	1.25	AGC	
2798798	2.50	1.25	AGC	
2639101	2.50	1.25	MDA	
111271	2.50	1.50	FNA	
107663	2.50	1.50	FNM	
220321	2.50	2.00	FRN	
322897	2.80	1.50	FNA	
5213152	2.80	1.25	MDL	
483034	3.00	.30	GFA	A
2456618	3.00	1.25	MDA	
855252	3.00	1.25	AGC	
5214299	3.00	1.25	ABC	
2511624	3.00	1.25	AGC	
5214150	3.00	1.25	GBB	
253675	3.00	1.25	GLD	
6324	3.00	1.25	MBK	
2511621	3.00	1.25	MDA	
5163073	3.00	1.25	AGC	
338165	3.00	1.25	MDX	
322893	3.00	1.50	MIC	
107610	3.00	1.50	BAF	
334826	3.00	1.50	FNA	
3343	3.00	2.00	NON	
322898	3.20	1.50	FNA	
107664	3.20	1.50	FNM	
67690	3.20	2.00	FRN	
210469	3.50	2.00	FRN	
2172136	4.00	1.00	AGX	
334825	4.00	1.50	FNA	
107665	4.00	1.50	FNM	
220320	4.00	2.00	FRN	
111266	4.00	1.25	GLD	
2704006	4.00	1.25	MDX	
1143492	4.00	1.25	MDX	
334829	4.00	1.50	MIC	
111257	4.00	1.25	MTH	
687624	4.00	1.00	8AG	
5214419	5.00	1.25	ABC	
596501	5.00	1.50	AGU	
107626	5.00	1.50	BAF	
322890	5.00	1.50	FNA	
1978474	5.00	1.50	FNJ	
107666	5.00	1.50	FNM	
67691	5.00	2.00	FRN	
2511629	5.00	1.25	MTH	
2768114	5.00	1.25	MDA	
104909	5.00	1.25	GLD	
512137	5.00	1.25	MDX	
322894	5.00	1.50	MIC	
123786	5.00	1.25	MTH	
210470	5.60	2.00	FRN	
5214456	6.00	1.25	ABC	
303679	6.00	1.25	3AG	
218793	6.00	1.50	BAF	
334881	6.00	1.50	FNA	
32716	6.00	2.00	NON	
4117092	6.00	1.81		
2130253	6.25	1.25	MDX	
2101543	6.25	1.50	FNA	
107667	6.25	1.50	FNM	
67692	6.25	2.00	FRN	
7026805	6.30	.75F	6250E	
5213694	7.00	1.25	ABC	
2511626	7.00	1.25	MDA	
5368167	7.00	1.00	AGX	
503976	7.00	1.50	MIC	
322899	7.00	1.50	FNA	
190424	7.00	2.00	FRN	
688312	8.00	1.25	3AB	
433557	8.00	1.25	ABC	
1146953	8.00	1.25	MDL	
122641	8.00	1.50	BAF	
334882	8.00	1.50	FNA	
107668	8.00	1.50	FNM	
334830	8.00	1.50	MIC	
210471	8.00	2.00	FRN	
210472	9.00	2.00	FRN	
1978993	10.00	1.25	3AB	
511063	10.00	1.25	ABC	
5252672	10.00	1.25	MDL	
598495	10.00	1.50	AGU	
218794	10.00	1.50	BAF	
322889	10.00	1.50	FNA	
107669	10.00	1.50	FNM	
509780	10.00	1.50	MIC	
69791	10.00	2.00	FRN	
55699	10.00	2.00	NON	
1767881	12.00	1.25	ABC	
2513450	12.00	1.25	MDA	
121924	12.00	1.50	FNM	
287214	12.00	1.50	BAF	
69792	12.00	2.00	FRN	

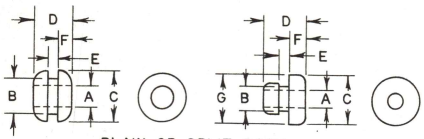
FUSES (CONT.)

5393558	3.20	1.25	MDX
5236559	15.00	1.25	3AB
596676	15.00	1.25	ABC
598496	15.00	1.50	AGU
115971	15.00	1.50	BAF
111267	15.00	1.50	FNA
107670	15.00	1.50	FNM
322761	15.00	1.50	MIC
190526	15.00	2.00	FRN
55700	15.00	2.00	3AB
210473	17.50	2.00	FRN
332582	20.00	1.25	ABC
117252	20.00	1.50	BAF
2197824	20.00	1.50	FNM
2588338	20.00	1.50	KTK
2610238	20.00	1.50	KTK
596500	20.00	1.50	AGU
603256	20.00	1.50	MIN
210474	20.00	2.00	FRN
59786	20.00	2.00	NON
12471	12.00	2.00	NON
5261394	20.00	2.00	A25
2524719	25.00	1.50	BAF
598497	25.00	1.50	AGU
237395	25.00	2.00	FRN
111258	25.00	2.00	NON
5232814	30.00	1.50	FNM
441179	30.00	1.50	BAF
5789803	30.00	2.00	KTN
111265	30.00	2.00	FRN
458794	30.00	2.00	NON
595291	40.00	1.50	AGU
5131847	40.00	1.50	MDR
2524739	40.00	1.69	HBO
252586	40.00	3.00	FRN
304832	40.00	3.00	NON
368071	50.00	3.00	NON
5261451	50.00	3.19	A25
(FLAT CONTACT TERMINALS			
59788	60.00	3.00	FRN

DUMMY FUSE P/N 9022

GENERATOR

VOLTS	AMPS	RPM	SHAFT	W/C	C/B	PART NO.
40	5.0	2800	5/8	NO	NO	129977
40	5.0	2800	5/8	YES	NO	149500
40	25.0	3450	3/4	YES	NO	220742
40	15.0	2000	5/8	YES	NO	222503
40	25.0	3450	3/4	YES	NO	321871



PLAIN OR SPLIT BODY

TYPE AA TYPE BB

GROMMETS – TYPE AA

A	B	C	D	E	F	PART NO
.109	.170	.250	.095	.035	.030	2162511
.125	.250	.328	.188	.062	.062	227161*
.187	.313	.438	.187	.062	.062	1105848
.188	.312	.438	.188	.062	.062	1077722
.188	.312	.500	.188	.031	.047	306048
.219	.391	.562	.359	.094	.047	195667
.250	.375	.500	.187	.062	.062	1138316
.250	.375	.562	.250	.062	.094	220690
.250	.438	.625	.250	.125	.062	317138
.250	.438	.625	.375	.094	.141	1071739
.281	.562	.625	.187	.062	.047	5394087
.312	.375	.562	.500	.375	.062	1272266
.312	.438	.625	.250	.062	.094	214968
.312	.500	.625	.250	.125	.062	301281
.312	.562	.812	.375	.125	.125	123071
.375	.500	.625	.406	.125	.141	319140
.375	.500	.688	.281	.062	.109	303565
.375	.625	.875	.375	.125	.125	602107*
.375	.625	.875	.312	.062	.125	265059
.375	.625	.875	.375	.125	.125	227379
.406	.500	.688	.250	.062	.094	602484
.625	.875	1.125	.375	.125	.125	512663
1.000	1.375	1.750	.438	.062	.188	198981
1.000	1.375	1.750	.500	.125	.188	220764*
1.500	1.750	2.125	.438	.062	.188	2100310
2.125	2.500	2.875	.438	.062	.188	244816
3.000	3.250	4.250	.250	.060	.095	1186544

GROMMETS – TYPE BB

A	B	C	D	E	F	G	PART NO
.125	.188	.344	.188	.062	.062	.266	1133627
.180	.500	.680	.710	.060	.150	.620	1142216
.187	.250	.420	.410	.056	.078	.312	2178596*
.250	.375	.750	.500	.062	.312	.562	801772
.438	.750	.969	.750	.125	.281	.875	92748*
.625	.812	.875	.750	.125	.312	.781	257479*

NOTES

ABBREVIATIONS

DI - DIALCO
DR - DRAKE
EL - ELDEMA
GE - GENERAL ELECTRIC
LE - LEE CRAFT
MU - MULLARD
OS - OSRAM
SO - SOL REX
ST - STANLEY
SY - SYLVANIA
WE - WESTINGHOUSE

L/C - LAMP COLOR
BL/C- BASE LAMP COLOR
K - KILOWATT
N - NEON
MA - MILLI AMP
A - AMP

LTR-ALPHA LETTER ON TOP OF LAMP

A-AMBER B-BLUE C-CLEAR G-GREEN R-RED
W-WHITE Y-YELLOW GY-GREY

2 PIN CONNECTING LAMPS

MFG.	MFG NO.	L/C	VOLTS	VALUE	BL/C	LTR	PART NO
--	----	R	4.5	120MA	G	-	5372848
--	----	R	4.5	120MA	G	-	5466449
--	----	A	4.5	120MA	G	-	5711080
--	----	A	4.5	120MA	G	-	5372182
--	----	C	4.5	120MA	G	-	5711078
--	----	R	4.5	120MA	G	-	5711079
--	----	C	4.5	120MA	G	-	5372183
DI	507-3905	Y	6.0	40MA	W	-	2511494
DI	907-3905	B	6.0	40MA	W	-	2511487
DI	907-3905	W	6.0	40MA	W	-	2511489
DI	507-3905	R	6.0	40MA	W	-	2511486
--	----	R	6.0	44MA	R	-	5372161
--	----	C	6.0	44MA	R	-	5372162
GE	12	C	6.3	15MA	-	-	517791
DI	507-3910	C	10.0	14MA	-	-	545838
GE	1869	C	10.0	14MA	-	-	545838
EL	CF-B-1869	C	10.0	14MA	-	-	550511
DI	39-10	R	10.0	14MA	B	-	556444
GE	1869	R	10.0	14MA	W	-	556444
EL	CFW-B-1869	C	10.0	14MA	-	-	556445
EL	CF-S-1869	G	10.0	14MA	B	-	5315186
DI	507-3910	Y	10.0	14MA	W	-	5315187
DI	507-3911	Y	10.0	40MA	W	S	1176834
DI	507-3911	W	10.0	40MA	W	T	1176835
DI	507-3911	Y	10.0	40MA	W	R	1176836
DI	507-3911	Y	10.0	40MA	W	-	1176837
DI	507-3911	R	10.0	40MA	W	-	1176838
DI	507-3911	W	10.0	40MA	W	-	1176839
DI	507-3911	W	10.0	40MA	W	S	1186022
DI	507-3911	A	10.0	40MA	W	E	1186023
DI	507-3911	Y	10.0	40MA	W	B	1186024
DI	507-3911	G	10.0	40MA	W	P	1203333
DI	507-3911	W	10.0	40MA	W	R	1203334
DI	507-3911	Y	10.0	40MA	W	C	1203335
DI	507-3911	R	10.0	40MA	W	-	1277207
DI	507-3911	G	10.0	40MA	W	-	1203894
DI	507-3911	C	10.0	40MA	-	-	1280982
DI	39-10-333	A	10.0	14MA	W	-	5214326
GE	1869	R	10.0	14MA	W	-	532431
DI	39	R	10.0	15MA	W	-	532431
--	----	R	10.0	14MA	B	-	5362323
--	----	A	10.0	14MA	B	-	5362324
--	----	C	10.0	14MA	B	-	5362325
DI	39	R	10.0	40MA	W	-	5267003

2 PIN CONN. LAMP (CONT.)

DI	39	W	10.0	40MA	W	-	5267004
DI	39	Y	10.0	40MA	B	-	5267005
GE	1869	G	10.0	14MA	B	-	5466352
--	----	A	24.0	40MA	Y	-	5372847
--	----	C	24.0	40MA	Y	-	5376712
--	----	R	24.0	40MA	Y	-	5376713
--	----	R	24.0	40MA	Y	-	5711081
--	----	C	24.0	40MA	Y	-	5711262
--	----	A	24.0	40MA	Y	-	5711263
GE	327	W	28.0	40MA	-	-	586304
DI	507-3918	W	28.0	40MA	-	-	586304
GE	1762	R	28.0	40MA	-	-	586305
EL	CF-B-1762	R	28.0	40MA	-	-	586305
DI	39-28	W	28.0	40MA	W	-	588429
EL	1762	W	28.0	40MA	W	-	588429
GE	1762	R	28.0	40MA	B	-	588430
DI	39	G	28.0	40MA	W	-	1138193
DI	507-3918	G	28.0	40MA	W	-	5213742
DI	39	Y	28.0	40MA	W	-	5712325
DI	507-3917	R	28.0	40MA	W	-	2511524
DR	900-058	W	48.0	40MA	B	-	9900403
DI	507-4538	C	115.0	33K	-	-	5213292
EL	C3-22554-02	C	DUMMY LAMP-SINGLE PIN				2153467
SY	SPEC.	C	28.0	75W	NEON		2391340
--	----	C	6.0	44MA	R	-	5790284
--	----	A	6.0	44MA	R	-	5790285
--	----	R	6.0	44MA	R	-	5790419
--	----	R	3.0	14MA	GY	-	5420191
--	----	A	3.0	14MA	GY	-	5420192
--	----	C	3.0	14MA	B	-	5420193

BAYONET (TELEPHONE TYPE) LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.	
GE	6A1	6.0	.16 A	1 3/4 X 5/16	532042	
SY	10CSB	10.0	.020A	15/16X 5/16	620180	R CAP
SY	10CSB	10.0	.020A	15/16X 5/16	620181	W CAP
SY	10ESB	10.0	.045A	7/8 X 5/16	5115143	
SY	10X	10.0	.045A	1 5/16X 5/16	363404	
SY	10CSB	10.0	.017A	7/8 X 5/16	369594	
SY	12A1	12.0	.110A	1 7/8 X 5/16	589104	
GE	12B	12.0	.350A	1 9/16X 5/16	2391053	
SY	12B	12.0	.350A	1 9/16X 5/16	2391053	
SY	12ESB	12.0	.040A	7/8 X 5/16	734857	
SY	14FSB	14.0	.08A	7/8 X 1/4	1187393	
GE	382	14.0	.080A	9/16X 5/16	5414571	
SY	16ESB	16.0	.045A	13/16X 5/16	2122034	
GE	24D1	24.0	.110A	1 5/8 X 5/16	367180	
SY	28ESB	28.0	.045A	7/8 X 5/16	2122160	
SY	30A	30.0	.085A	1 3/4 X 5/16	216374	
GE	35B	35.0	.085A	1 3/4 X 5/16	573218	
SY	35B	35.0	.085A	1 3/4 X 5/16	573218	
SY	60PSB	48.0	.040A	7/8 X 5/16	2391063	
GE	48D2	48.0	.210A	1 9/16X 5/16	2391104	
GE	55C1	55.0	.060A	1 9/16X 5/16	308346	
GE	55B1	55.0 11.0	A	1 7/8 X 5/16	344987	
THE LAMPS LISTED BELOW HAVE COLORED CAPS 3/8 X 9/16						
SY	12ESB	12.0	.040A	7/8 X 5/16	731562	W CAP
SY	10ESB	10.0	.045A	7/8 X 5/16	767010	R CAP
SY	10ESB	10.0	.045A	7/8 X 5/16	767011	G CAP
SY	10ESB	10.0	.045A	7/8 X 5/16	767012	Y CAP

SCREW BASE TYPE LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.	
OS	13	2.2	18 A	7/8 X 3/8	453404	
GE	1483	6.0	.04 A	1 1/16X 9/16	98957	
GE	1821	28.0	.170A	1 3/32X 3/8	441064	
GE	1823	48.0	.10 A	1 5/16X 3/8	122165	
SO	S6	48.0	6 W	1 3/4 X 3/4	148033	
WE	S6	115.0	25 W	5 7/16X13/16	172516	
GE	6S6	120.0	6 W	1 3/4 X 3/4	63245	
SY	T8	120.0	25.0W	2 1/2 X 13/16	615996	
SO	T6 1/2	125.0	15 W	2 X 9/16	186364	
SO	G6	130.0	4 W	1 3/8 X 3/4	63966	
SO	G6	130.0	4 W	1 5/16X 3/4	246645	
GE	616	230.0	10 W	2 X13/16	101849	
GE	648X	230.0	25 W	5 3/8 X13/16	183699	

2 LEAD (WIRE) LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.	
--	----	2.5	.040A	11/16X 1/4	804814	
GE	2171	4.5	.125A	1/2 X 1/4	2391022	
GE	2202	4.5	.140A	7/8 X 1/4	2391023	
SY	B-1029	4.5	.150A	11/16X 1/4	2391204	
GE	680	5.0	.060A	7/32X 1/8	454612	
GE	2191	6.0	.034A	1/2 X 7/32	2414975	
GE	1869	10.0	.014A	1/2 X 7/32	5213426	
SY	10CS	10.0	.020A	25/32X 1/4	1143198	
SY	10E	10.0	.040A	1 1/4 X 7/16	383564	
SY	10E	10.0	.040A	1 3/16X 1/4	719293	
SY	28E	28.0	.040A	3/4 X 1/4	2391062	*
GE	NE2H	110.0	.003A	3/4 X 1/4	602653	*
--	----	110.0	.200W	3/4 X 1/4	610188	*
GE	NE2T	125.0	-	15/16X 1/4	300751	* RES
GE	NF2T	125.0	-	15/16X 1/4	300707	*
GE	NE2E	125.0	.070A	3/4 X 7/16	194587	*
GE	NE2T	-	-	13/16X 1/4	322227	*
GE	NE75	-	-	13/16X 1/4	360078	*
GE	NE2	-	-	11/16X 1/4	528403	*
GE	2M	-	-	3/4 X 1/4	2124040	*
GE	2158	-	-	1/2 X 7/32	2414890	

* NEON

BAYONET (SNAP LOCK) TYPE LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.
GE	252	2.5	.35A	5/8 X 1/4	2501576
GE	255	2.5	.350A	5/8 X 1/4	341741
GE	255	2.5	.350A	5/8 X 1/4	454940
	THE ABOVE HAS 13 IN. WIRE LEAD				
GE	253	2.5	.350A	5/8 X 3/16	2154086
--	TS46	2.5	4.0A	3/4 X 1/4	749414
GE	390	3.0	15MA	1/2 X 3/16	5732271
GE	345	6.0	.040A	9/16X 1/4	369613
GE	328	6.0	.20 A	5/8 X 1/4	516188
GE	328	6.0	.20 A	5/8 X 1/4	516189
THE ABOVE IS QTY 2 OF P/N 516188 - BASE SOLDERED					
GE	380	6.3	.040A	9/16X 5/16	2391200
GE	349	6.3	.200A	19/32X 1/4	362119
GE	336	14.0	.080A	5/8 X 1/4	760663
GE	387	28.0	.040A	1 3/16X 7/16	2391279
GE	334	28.0	.400A	5/8 X 1/4	719439
DI	NE2D	---	---	7/8 X 1/4	2162021
--	TS327X	---	---	9/16X 1/4	362461

BAYONET (TWIST LOCK) TYPE LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.	
GE	261	2.5	.350A	11/16X 1/4	369675	
GE	255	2.5	.350A	5/8 X 1/4	341399	*
GE	328X	6.0	.200A	5/8 X 1/4	516188	
GE	755	6.3	.150A	1 3/16X 7/16	2414871	
GE	47	6.3	.150A	1 1/8 X 5/8	219628	
GE	6	6.4	.3A	2 X 1	5257623	
GE	44	6.8	.250A	1 5/16X 3/8	98608	
GE	238	6.3		1 1/8 X 3/8	7025958	
GE	51	6.8	.250A	7/8 X 7/16	314760	
GE	94	12.0	1.040A	1 7/8 X 1	2129726	
GE	1142	12.0	1.340A	1 7/8 X15/16	514339	
GE	1891	12.0		1 1/8 X 3/8	1159141	
GE	1813	14.0	.100A	1 1/8 X 3/8	5214322	
GE	1815	14.0	.200A	1 1/8 X 3/8	2129665	
GE	1685	14.0	.820A	2 X 1 3/16	557718	
GE	1815	14.0	2.000A	1 1/8 X 3/8	2391044	RED
GE	1820	28.0	6.0W	1 1/8 X 3/8	2125534	
GE	757	28.0	.080A	1 3/16X13/32	2414970	
GE	313	28.0	.170A	1 3/32X 3/8	557828	
GE	313	28.0		1 1/8 X 3/8	7025959	
SY	48MB	46.0	.050A	1 3/32X 3/8	5362163	
WE	1878	48.0	.100A	1 1/16X 3/8	1145411	
SO		48.0	6.000W	1 5/8 X 3/4	257179	
GE	1835	55.0	.05A	1 1/8 X 3/8	316455	
GE	NE50	110.0	.200MA	1 3/16X 7/16	138414	
GE	B2A	110.0	.004A	1 1/8 X 5/8	5212657	
SY		120.0	25.00W	2 1/2 X 1	615996	
GE	NE17	125.0	.002A	1 7/16X 9/16	331850	
WE		125.0	6.00W	1 3/4 X 3/4	2100104	
GE	NE51	125.0		1 1/8 X 3/8	317797	

* WITH 1-5 IN WIRE ORANGE, BLACK & WHITE AND 1-3 IN WIRE YELLOW

SEAL BEAM TYPE LAMPS

MFG.	MFG. NO.	L/C	PART NO.
GE	18-9	C	2391653
GE	23-9	C	2391654

FLOURESCENT TYPE LAMPS

MFG.	MFG. NO.	VOLTS	VALUE	SIZE	PART NO.
GE	F8T5	5.8	.160A	11 1/4 X 9/16	1135890
GE	F6T5W	45.0	.145A	8 1/4 X 9/16	5116079
GE	F15T8	55.0	.300A	17 X 1	508293

2 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115	60	3450	19.0	1	YES	NO	3/4	220745
115/230	60	3450	10.2	3	YES	NO	3/4	255979
115			19.0	P/N 210404- 115/208-230				
208/230	60	3450	9.5	1	NO	NO	3/4	210404
208/230	60	1735	12.3/11.3	1	NO	YES	7/8	857381
220/440	60	1725	5.8/2.9	3	NO	NO	1	331500

1 1/2 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115	DC	3450	----	--	YES	NO	3/4	210401
230	60	1725	9.2	1	NO	YES	3/4	808368

1 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
110/220	60	1725	9.4/4.7	1	YES	NO	5/8	127481
110/220	60	1725	9.4/4.7	1	YES	NO	5/8	214393
115/230	60	3450	10.0/5.0	1	YES	YES	3/4	193399
115/230	60	3450	11.6/5.8	1	NO	NO	3/4	216863

1HP DOUBLE SHAFT MOTOR

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO
208/230	60	3450	--	3	NO	NO	5/8	2643370

SHAFT LENGTH 1 7/8

3/4 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115	60	3250	0.65	1	YES	YES	5/16	2145164
115/230	60	1725	10.0/5.0	1	YES	NO	5/8	114022
115/230	60	1725	5.0/2.5	3	YES	NO	3/4	117218
115/230	60	1725	10.0/5.0	1	YES	NO	3/4	117223
						W/CAPACITOR		2145164
115/230	60	3450	11.6/5.8	1	NO	NO	5/8	2154415
				BELL HOUSING MOUNTED				2154415
115/230	60	3450	11.2/5.6	1	YES	YES	5/8	237826
115/230	60	3450	11.2/5.6	1	YES	YES	5/8	237827
115/230	60	1725	10.8/5.4	1	NO	YES	5/8	365028
115/230	60	1725	10.8/5.4	1	NO	YES	5/8	641688
115/230	60	1725	10.8/5.4	1	NO	YES	5/8	834333
208/220	60	3250	2.6	3	YES	*	5/8	474026
208/230	60	3450	4.8	3	NO	NO	5/8	264308

* BELL HOUSING MOUNTED

1/2 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115/230	60	1140	9.2/4.6	1	NO	NO	3/4	124770
115/230	60	1140	9.2/4.6	1	YES	NO	3/4	124777
115/230	60	1200	9.4/4.7	1	YES	NO	5/8	128082
115/230	60	3450	6.2/3.1	1	NO.	YES	5/8	253053
115/230	60	1725	7.8/3.9	1	YES	YES	5/8	340578
115/230	60	1725	10./5.0	1	NO	YES	5/8	363041
115/230	60	1725	7.8/3.9	1	YES	YES	5/8	363586
115/230	60	3450	6.3/3.15	1	NO	YES	5/8	454685
115/230	60	1725	8.0/4.0	1	YES	YES	5/8	1978748

ATTACHED - PULLEY ON SHAFT-P/N-1978748

1/2 HP MOTORS (CONT.)

208/220	60	1725	5.1	1	NO	YES	5/8	821279
208/220	60	3450	1.7	3	NO	YES	1/2	2103445
208/220	60	3450	3.5/3.7	1	YES	YES	5/8	253054
208/220	60	3450	3.5/3.7	1	YES	YES	5/8	821227
208/230	60	3450	1.8	3	NO	NO	5/8	264267
208/230	60	3450	3.8	1	YES	*	1/2	2447552
208/230	60	3450	1.6/1.8	3	YES	YES	5/8	2501791
208/230	60	3450	1.7/1.8	3	YES	YES	5/8	2515265
230	60	1725	3.6	1	YES	YES	5/8	2174969
230	60	3450	3.4	1	NO	*	1/2	2162623

* BELL HOUSING MOUNTED

1/2 HP DOUBLE SHAFT MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115/230	60	1725	7.0/3.4	1	NO	NO	3/4	253053
208/220	60	3450	1.7	3	NO	YES	1/2	2103445
208/220	60	3450	3.5/3.7	1	YES	YES	5/8	253054
208/220	60	3450	3.5/3.7	1	YES	YES	5/8	821227
208/220	60	1725	5.1	1	NO	YES	5/8	821279
DOUBLE PULLEY'S ON P/N'S 253054 & 0821227								
230	60	3450	3.4	1	NO	---	---	2218031
BELL HOUSING MOUNTED SHAFT SIZE 1/2 AND 1/4								

1/3 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
104/208	60	3450	5.6/2.8	1	YES	YES	1/2	308242
115	DC	3450	3.3	3	YES	YES	5/8	308229
115	DC	1725	3.1	1	YES	YES	1/2	600026
115/230	60	1725	5.6/2.8	1	NO	YES	5/8	175178
115/230	60	1725	5.6/2.8	1	YES	YES	5/8	175183
115/230	60	1725	5.6/2.8	1	YES	YES	5/8	175186
115/230	60	3450	5.4/2.7	1	YES	YES	5/8	308227
115/230	60	3450	5.0/2.5	1	YES	YES	1/2	308233
115/230	60	1725	6.2/3.1	1	NO	YES	5/8	600000
115/230	60	1725	5.6/2.8	1	NO	YES	5/8	601930
115/230	60	1725	5.6/2.8	1	NO	YES	5/8	610548
115/230	60	3450	6.4/3.7	1	NO	*	9/16	355574
115/208/-230								649849
	60	1725	7.0/3.5	1	NO	YES	5/8	649849
115			6.3	P/N 649665- 115/208-230				
208	60	1725	1.6	1	YES	YES	5/8	528101
208/230	60	1725	2.9/3.2	1	NO	YES	5/8	649665
208/230	60	1725	3.1	1	YES	*	5/8	2591141
220	60	1725	1.5	3	YES	YES	5/8	333561
220	60	1725	2.7	1	NO	YES	5/8	828903

* BELL HOUSING MOUNTED

1/3 HP DOUBLE SHAFT MOTOR

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
208/220	60	3600	2.4/2.3	3	YES	YES		334119
SHAFT SIZES - 1/2 (FAN) & 5/8 IN. P/N 334119								

1/4 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
115	60	1725	4.8	1	YES	YES	1/2	194891
115	60	1725	5.2	1	YES	YES	1/2	316362
115	60	1725	4.8	1	NO	YES	1/2	363459
115	60	1725	4.8	1	YES	YES	1/2	601900
115	60	1725	4.3	1	NO	NO	1/2	601902
115	60	1725	3.8	1	NO	NO	5/8	601904
115	60	1725	2.5	1	NO	NO	5/8	601916
115	60	1725	4.4	1	NO	YES	5/8	601992
115	60	1725	2.2	1	NO	YES	1/2	2109472
115	60	1725	5.2	1	NO	YES	1/2	316363
115	60	1725	5.2	1	NO	YES	1/2	5441361 (W/SLEEVE 5/8)
115/230	60	1140	5.8/2.9	1	NO	YES	5/8	615362
115/230	60	1725	5.2/2.6	1	NO	*	1/2	627773
115/230	60	1725	5.2/2.6	1	NO	YES	1/2	738549
115/230	60	1725	5.2/2.6	1	NO	YES	1/2	610547
115			4.2 P/N 602346 115/208-230					
208/230	60	1725	2. /2.1	1	YES	YES	1/2	602346
208/230	60	3300	1.25	1	YES	*	5/16	2517786
190	60	1725	2.5	1	YES	NO	5/8	117259
208	60	1140	1.37	1	YES	YES	5/8	515971
208/230	60	3450	2.6	1	YES	YES	5/8	719600
			ATTACHED 8" COG PULLEY - P/N 719600					
230	60	1725	2.6	1	YES	YES	1/2	194892
230	60	1725	2.6	1	YES	YES	1/2	209462
230	60	1725	2.6	1	YES	YES	1/2	316257
230	60	1725	2.4	1	NO	YES	1/2	363342
230	60	1725	2.4	1	NO	YES	1/2	601903
230	60	1725	2.6	1	NO	YES	1/2	601920
230	60	1725	2.0	1	NO	YES	5/8	601921
			SUBSTITUTION CD 601921 TO 601920					
230	60	1725	2.0	1	NO	NO	1/2	601922
115			4.8 P/N 602697-115/208-230					
208/230	60	1425	2.5/2.4	1	YES	YES	1/2	602697

1/4 HP DOUBLE SHAFT MOTOR

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
230	60	1725	2.2	1	YES	YES	5/8	251520

1/6 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO
115	60	3450	2.4	1	YES	*	375	---	470043
208	60	3450	1.3	1	YES	*	375	---	472987
230	60	3450	1.2	1	YES	*	375	---	472988
208/230	60	1650	1.0	1	YES	YES	312	969	740777
208/230	60	1800	1.45	3	YES	YES	375	1250	854915
208/230	60	1800	1.45	3	YES	YES	312	1375	837720
208/230	60	1725	1.65	1	YES	YES	375	2125	667554

* BELL HOUSING MOUNTED

NOTES

1/8 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
48	--	2000	3.7	-	YES	NO	375	1250	2507387	DF33(W/17 COG PULLEY)
48	--	2000	3.7	-	YES	NO	375	1250	5344982	DF33(W/18 COG PULLEY)
208/230	60	1625	0.84	1	YES	*	500	3000	2447573	
208/230	60	3600	1.1	-	YES	*	312	906	5414385	SL-M330
208/230	60	1725	1.2	1	YES	YES	375		667100	
208/230	60	1800	1.0	3	YES	Y/*	375	1125	2174927	M330
230	60	3400	0.6	-	YES	*	312	906	598103	

* BELL HOUSING MOUNTED

1/8 HP DOUBLE SHAFT MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO.
208	60	3450	.7	1	YES	YES	5/16	2502273
210	60	3450	.8	1	YES	YES	1/4	310263
230	60	3450	1.1	1	YES	YES		2111340

STEP DOWN SHAFT 1/2 - 1/4 - P/N 2111340

1/12 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
115	60	3450	1.50	1	YES	*	375	1125	2204117	
115	60	3450	1.60	1	YES	*	375	1125	2265433	
115	60	1725	2.1	1	YES	YES	375	--	305268	(KEYPUNCH)
115	60	1740	2.4	1	YES	YES	375	1062	5422230	
115	DC	1725	1.0	1	YES	YES	375	1125	314489	
208	60	3420	0.46	3	YES	NO	250	--	528103	(BASE MOUNTED
208	60	3350	0.4	1	YES	*	312	--	2537320	(W/PULLEY)
208/220	60	3450	0.75	1	YES	*	375	1125	2204116	
208/230	60	1625	0.52	1	YES	YES	312	1062	820285	L330
208/230	60	1725	0.45	3	YES	YES	500	656	2512683	(SHFT DRILLD &TAPD
208/230	60	3350	0.50	1	YES	YES	312	--	2591380	KP-G330 BOT
208/230	60	3350	0.69	1	YES	*	312	--	5144418	(W/PULLEY)
208/230	60	1725	1.0	1	YES	YES	375	1187	679781	K421
208/230	60	3600	1.4	1	YES	YES	312	1125	736740	M330
230	60	1140	1.2	-	NO	YES	500	--	2129793	
230	60	1800	1.5	1	YES	NO	375	--	2129691	
230	60	1725	1.1	1	YES	YES	375	--	312450	(KEYPUNCH)

* BELL HOUSING MOUNTED

1/12 HP DOUBLE SHAFT MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
115	60	1625	0.82	1	YES	YES	312	---	1145990	H26 B-SHFTS 1000
208/230	60	3350	0.50	1	YES	YES	312	---	5405151	G330 B-SHFTS 3437
208/230	60	3350	0.50	1	YES	YES	312	---	5405152	G330 B-SHFTS 3437

P/N 5405152 HAS ATTACHED PLUG ON CABLE

1/15 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	FRAME NO	PART NO
208/230	60	1800	.81/.97	3	YES	YES	5/16	L330 (W/PULLEY)	5371595

1/15 HP DOUBLE SHAFT MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	FRAME NO	PART NO
115	60	3450	1.5	1	YES	YES	3/8	F-330	1160388

1/20 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	
42	DC	3600	1.5	--	YES	NO	250	1250	221825	
48	DC	2000	1.3	--	YES	NO	250	---	5356254(W/PULLEY)	
48	DC	2000	1.7	--	YES	NO	250	812	599560	
48	DC	2000	2.2	--	YES	---	250	312	5412811 *	
115	60	1625	0.80	--	YES	YES	312	1125	1452517	FRAME KP-EX26
115	60	1625	0.82	--	YES	YES	312	969	737734	FRAME J26
115	60	1625	0.82	--	YES	YES	312	1000	737752	
115	60	1625	0.85	1	YES	YES	312	---	1145989	FRAME H-26
115	60	1625	0.70	1	YES	YES	312	1000	1203777	FRAME KP-EX26BOTS
115	60	1725	1.4	1	YES	---	312	1687	2596487	SUB'D FOR 2596487 *
115	60	3450	1.1	1	YES	YES	312	---	344251	
208	60	1625	0.55	--	YES	YES	312	1187	1166083	FRAME KP-C26
208	60	1625	0.55	--	YES	YES	312	984	1166131	FRAME KP-EX26
208	60	1625	0.55	--	YES	YES	312	969	1187562	
230	60	1625	0.50	--	YES	YES	312	1156	1187563	
230	60	1725	0.8	1	YES	YES	375	---	101874	

* BELL HOUSING MOUNTED

1/20 HP DOUBLE SHAFT MOTOR

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	
115	60	3280	0.7	1	YES	YES	312	---	2145164	B-3500 AND 3000

1/30 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
115	60	1625	0.65	1	YES	YES	312	812	1010921	KP-F26 AOTS
230	60	1625	0.33	1	YES	YES	250	812	1110742	KP-F26 AOTS
230	60	1625	1.2	1	YES	YES	312	875	1190574	KP-F26-AOTS
115	60	1625	0.65	--	YES	YES	312	875	5152686	KP-F26 AOTS

1/35 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
115	60	1625	0.70	-	YES	YES	312	1.250	1203882	KP-C26 AOTS
115	60	1625	0.70	1	YES	YES	312	1.187	1203444	KP-C26 BOTS
115	60	1625	1.2	--	YES	YES	312	1.125	835031	
115	60	1625	1.2	--	YES	YES	312	1.187	835032	K-C26
115	60	1625	1.2	1	YES	YES	312	1.125	1462988	K-C26 AOTS
115	60	1625	1.3	--	YES	YES	312	1.125	1145258	K-C26 AOK
115	60	1625	1.20	--	YES	YES	312	1.187	1134818	K-C26 AOTS
208/230	60	1625	0.53	--	YES	YES	312	1.156	1135444	AP4714Z
230	60	1625	0.30	1	YES	YES	312	1.125	1203887	KP-C26
230	60	1650	2.85	--	YES	YES	312	.719	2191412	PC26A24ZSO
115	60	1625	0.70	1	YES	YES	312	1.187	2522864	

1/40 HP MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	A	B	PART NO	FRAME
115	60	1625	0.5	1	YES	YES	312	875	1124741	KP-F26-AOTS
208/220	60	3410	0.161	3	YES	NO	---	1625	530715	L3520 (FRAME MOUNTED)

1/48 HP DOUBLE SHAFT MOTOR

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO
208	60	3450	1.3	3	YES	*	1/2	2304561

SHAFT LENGTHS 2 1/4 & 2 3/4

* BELL HOUSING MOUNTED

1/50 HP MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	PART NO
45	DC	3600	0.8	--	YES	NO	1/4	216563
45	DC	3600	0.8	--	YES	NO	1/4	738650

.06 HP DOUBLE SHAFT MOTORS

VOLTS	CY	RPM	AMPS	PH	W/C	C/B	SHFT	FRAME NO	PART NO
208/230	60	3350	0.36	1	YES	YES	5/16	KP-F26	5357020
208/230	60	3350	0.36	1	NO	YES	5/16	KP-F26	5357021

P/N 148303 - SLEEVE 1/2 INCH TO 5/8 INCH

NOTES

SYNCHRON MOTORS

A-SHAFT DIAMETER
B-SHAFT LENGTH

VOLTS	CYCLE	RPM	A	B	PART NO
24	60	1/4			2122177
36	60	20	094	500	735381
110	60	10	125	500	805138
110	60	100	---	---	805022
115	60	1	125	1125	770745
115	60	1	187	500	595301
115	60	2	250	438	839197
115	60	10	250	---	803259(W/GEAR) *
115	60	90	187	500	2162017
120	60	1/10	219	375	2208572(ATT.CAM/MICRO SW.)
120	60	1/12	219	375	2208574(ATT.CAM/MICRO SW.)
120	60	10	187	250	2595948
208/240	60	6	094	219	2274595(W/NOTCHED CAM)
220	60	1/15	250	500	849440
220	60	1/15	250	625	852199(W/PIN-SHAFT)
220	60	1/15	250	---	2646407(W/ATT.CAM)
220	60	1/8	---	---	856020
220	60	1	---	---	2239011(SUB'D 2239003)
220	60	1	125	1125	767390
220	60	1	125	187	2263015(W/ROLL PIN)
220	60	2	250	500	669903
220	60	2	250	437	668768
220	60	2	250	437	749561
220	60	8	187	375	856313(W/CAPACITOR-347040)
220	60	8	156	375	730116
230	60	1	125	750	5144329
240	60	1/160	125	375	852350(W/CORD-PLUG)
240	60	1/120	125	375	349345(W/CORD-MALE/FEMALE PLUG)

* BELL HOUSING MOUNTED

VOLTS	CYCLE	RPH	PART NO
120	60	1/24	125949
220	60	1/86	851257

MOTOR ABBREVIATIONS

CY - CYCLE
C/B- CRADLE BASE
W/C- WITH CABLE
SHFT - SHAFT

NOTES

MILLIMETERS TO INCHES TABLE

mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	INCHES
1	.039	32	1.260	63	2.480	94	3.701	125	4.921
2	.079	33	1.299	64	2.520	95	3.740	126	4.961
3	.118	34	1.339	65	2.559	96	3.779	127	5.000
4	.157	35	1.378	66	2.598	97	3.819	128	5.039
5	.197	36	1.417	67	2.638	98	3.858	129	5.079
6	.236	37	1.457	68	2.677	99	3.898	130	5.181
7	.276	38	1.496	69	2.716	100	3.937	131	5.157
8	.315	39	1.535	70	2.756	101	3.976	132	5.197
9	.354	40	1.575	71	2.795	102	4.016	133	5.236
10	.394	41	1.614	72	2.835	103	4.055	134	5.276
11	.433	42	1.653	73	2.874	104	4.094	135	5.315
12	.472	43	1.693	74	2.913	105	4.134	136	5.354
13	.512	44	1.732	75	2.953	106	4.173	137	5.394
14	.551	45	1.772	76	2.992	107	4.213	138	5.433
15	.591	46	1.811	77	3.031	108	4.252	139	5.472
16	.630	47	1.850	78	3.071	109	4.291	140	5.512
17	.669	48	1.890	79	3.110	110	4.331	141	5.551
18	.709	49	1.929	80	3.150	111	4.370	142	5.591
19	.748	50	1.968	81	3.189	112	4.409	143	5.630
20	.787	51	2.008	82	3.228	113	4.449	144	5.669
21	.827	52	2.047	83	3.268	114	4.488	145	5.709
22	.866	53	2.087	84	3.307	115	4.528	146	5.748
23	.905	54	2.126	85	3.346	116	4.567	147	5.787
24	.945	55	2.165	86	3.386	117	4.606	148	5.827
25	.984	56	2.205	87	3.425	118	4.646	149	5.866
26	1.024	57	2.244	88	3.465	119	4.685	150	5.905
27	1.063	58	2.283	89	3.504	120	4.724	151	5.945
28	1.102	59	2.323	90	3.543	121	4.764	152	5.984
29	1.142	60	2.362	91	3.583	122	4.803	153	6.024
30	1.181	61	2.402	92	3.622	123	4.842	154	6.063
31	1.122	62	2.441	93	3.661	124	4.882	155	6.102

NOTES

TYPE-AA TYPE-BB TYPE-CC

LEGEND
A-THREAD SIZE
B-BODY DIAMETER
C-THICKNESS
D-TENON DIAMETER
*-BRASS

TYPE DD : SQUARE NUT.
TYPE EE : ROUND SLOTTED HEAD.

TYPE AA

A	B	C	PART NO
0-80	.094	.048	1165246
1-72	.109	.063	1165237
2-56	.125	.047	1123785
2-56	.187	.066	36823*
2-56	.187	.066	47987
2-56	.187	.066	5714808
2-56	.187	.120	2175671
3-48	.187	.066	8506
4-40	.156	.093	1127763
4-40	.187	.062	2114985
4-40	.218	.090	1142264
4-40	.250	.093	2145026
4-40	.250	.098	37913
4-40	.250	.098	801402*
4-40	.313	.114	257186
4-48	.250	.098	627414
4-64	.250	.114	1127728
5-40	.187	.094	27073
5-40	.250	.098	3525*
5-40	.250	.098	7341
5-40	.313	.114	478*
6-32	.219	.078	1127722
6-32	.250	.098	38051
6-32	.312	.078	1134842
6-32	.313	.114	257187
6-40	.250	.065	1109842
6-40	.250	.098	1090037
8-32	.250	.098	6503
8-32	.312	.114	23931
8-32	.312	.125	1090041
8-32	.343	.130	5440799
8-32	.344	.130	257188*
8-32	.344	.130	257189
8-32	.375	.130	2899
8-32	.375	.281	1160273
8-32	.500	.312	1093672
8-40	.250	.090	1133619
00-90	.078	.040	1165271
10-32	.312	.114	221
10-32	.375	.130	11598
14-24	.438	.125	6208
250-20	.438	.163	3960
250-28	.438	.163	160017
250-28	.438	.188	529774
250-32	.437	.163	117386
250-40	.375	.125	24933
312-18	.500	.195	4564
312-24	.500	.125	15616
312-24	.500	.195	10574
375-16	.562	.227	5347760
375-16	.563	.227	24107
375-24	.562	.217	122462
375-24	.563	.227	8163
375-24	.625	.093	603440
375-24	.625	.100	1128644
375-24	.625	.156	38092
375-32	.500	.062	824486
438-20	.562	.125	70950
469-32	.562	.075	179743
500-13	.750	.250	740707

TYPE AA

A	B	C	PART NO
500-24	.625	.281	120619
562-18	.875	.224	856165
562-18	.875	.324	93099
625-11	.938	.387	223473
625-18	.875	.156	307577
750-10	1125	.446	358848

TYPE BB

A	B	C	D	PART NO
6-32	.312	.088	.217	1175352
250-20	.438	.226	.406	36109
250-20	.500	.172	---	304809
250-28	.437	.288	.438	204406
250-28	.438	.219	---	627653
250-40	.437	.125	.375	307665
312-18	.500	.273	.500	25793

TYPE CC

A	B	C	PART NO
0-80	.156	.047	598201
2-56	.187	.062	113380
2-64	.187	.062	1091057
3-48	.187	.062	1090268
4-40	.218	.078	1144886
4-40	.250	.063	38214
5-40	.219	.125	6899
5-40	.375	.062	252428
6-40	.188	.078	1090605
8-32	.312	.078	115417*
8-32	.375	.081	52552
10-32	.250	.098	856333
10-32	.313	.125	1090034
10-32	.375	.125	1090688
12-28	.312	.130	1090550
14-24	.375	.250	23614
250-20	.375	.125	1091743
250-40	.375	.125	1090669
375-24	.500	.125	215150
375-32	.500	.093	220032
469-32	.625	.125	220546
469-40	.625	.125	1090453

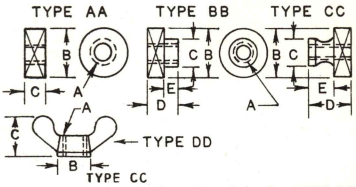
TYPE DD

A	B	C	PART NO
4-40	.156	.110	1164660
4-40	.250	.094	602229
6-32	.250	.075	1134829
6-32	.281	.062	526952
6-40	.250	.125	1090039
10-32	.375	.125	1091423
10-32	.620	.125	5356444
469-32	.688	.093	5311437
500-20	.688	.093	5311438

TYPE EE

A	B	C	PART NO
4-40	.250	.250	2155919
6-32	.312	.281	5213365
8-32	.310	.310	5703327
8-32	.312	.281	327695

KNURLED/WING NUTS



TYPE AA

A	B	C	PART NO
2-64	.266	.062	327124
8-32	.312	.320	5400689
8-32	.500	.500	839242
8-32	.620	.250	594620
14-20	.290	.250	2100843
14-20	.290	.375	2111477
375-32	.641	.218	5703461
469-32	.609	.078	179744
469-32	.641	.175	216323

TYPE BB

A	B	C	D	E	PART NO
5-40	.344	.210	.390	.234	1145067
6-32	.325	.250	.219	.062	336309
8-32	.578	.375	.219	.062	473104
8-32	.649	.390	.172	.110	228422
8-32	.387	.312	.250	.125	212337
10-32	.500	.312	.375	.125	5255954

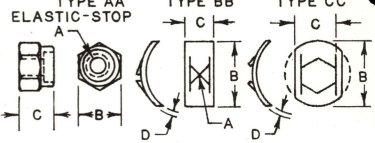
TYPE CC

A	B	C	D	E	PART NO
5-40	.579	.438	.375	.250	23131
8-32	.438	.406	.312	.188	3696

TYPE DD

A	B	C	PART NO
10-32	.812	.375	184522
250 20	1.062	.500	312469
4-40	.650	.350	889375
312-18	1.438	.750	100994

PATENT NUTS



TYPE AA

A	B	C	PART NO
0-80	.110	.065	1272940
2-56	.155	.095	2111601
2-56	.275	.143	1135826
2-64	.153	.095	1141182
3-48	.250	.141	186849
4-40	.190	.110	1134635
4-40	.250	.140	216128
5-40	.250	.143	103372
6-32	.312	.172	344015
6-32	.312	.172	1138462
6-40	.312	.178	1107414
8-32	.334	.229	72828
10-32	.375	.187	358670
10-32	.375	.229	125930
250-20	.438	.313	117281
250-28	.438	.203	306052
250-40	.438	.172	307665
312-18	.500	.344	118997
312-24	.500	.344	253102
375-16	.562	.453	325149

TYPE BB

A	B	C	D	PART NO
---	.578	.250	.032	226238
.081	.391	.219	.012	308292
.094	.453	.234	.012	80716
.125	.297	.250	.012	308196
.125	.580	.250	.014	603545
.188	.625	.375	.012	159787
.250	.625	.438	.012	219615
.250	.953	.625	.017	92030
.500	.920	.750	.012	2122038
2-56	.375	.219	.008	79086
6-32	---	---	---	325496
8-32	.625	.375	.017	257793
047X250	.580	.310	.012	5372373

TYPE CC

A	B	C	D	PART NO
---	.562	---	.014	1115982
.093	.281	---	.012	1106027
.125	.375	.344	---	1072821
.144	.375	.344	.012	1138483
.250	.562	.438	.012	310974

NOTES

ROLL PINS

LENGTH	NOMINAL-DIA.	FREE-DIA.	THICKNESS	HOLE-SIZE	PART NO
.250	.062	.066-.069	.012	.062	264998
.250	.094	.099-.103	.022	.094	437289
.312	.078	.083-.086	.018	.078	*1078531
.375	.062	.066-.069	.012	.062	257494
.375	.078	.083-.086	.018	.078	528331
.375	.094	.099-.103	.022	.094	1077739
.375	.125	.131-.135	.028	.125	234977
.437	.062	.066-.069	.012	.062	322233
.437	.094	.099-.103	.022	.094	343571
.437	.125	.131-.135	.028	.125	257293
.500	.062	.066-.069	.012	.062	255886
.500	.078	.083-.086	.018	.078	473970
.500	.094	.099-.103	.022	.094	* 326264
.500	.125	.131-.135	.028	.125	311463
.500	.156	.162-.167	.032	.156	257572
.500	.188	.194-.199	.040	.187	257922
.562	.062	.066-.069	.012	.062	1128526
.562	.094	.099-.103	.022	.094	* 326265
.562	.125	.131-.135	.028	.125	219679
.625	.062	.066-.069	.012	.062	1165500
.625	.062	.066-.069	.012	.062	619266
.625	.125	.131-.135	.028	.125	303217
.625	.156	.162-.167	.032	.156	256436
.625	.188	.194-.199	.040	.187	* 595682
.687	.078	.083-.086	.018	.078	221542
.687	.094	.099-.103	.022	.094	1077815
.687	.125	.131-.135	.028	.125	257294
.687	.188	.194-.199	.040	.187	257313
.750	.062	.066-.069	.012	.062	* 323915
.750	.094	.099-.103	.022	.094	*1109824
.750	.125	.131-.135	.028	.125	355412
.750	.156	.162-.167	.032	.156	257322
.875	.094	.099-.103	.022	.094	234468
.875	.125	.133-.135	.028	.125	517928
.875	.156	.162-.167	.032	.156	251913
1.000	.125	.131-.135	.028	.125	528337
1.000	.156	.066-.069	.032	.156	91598
1.500	.094	.099-.103	.022	.094	250620
1.500	.188	.194-.199	.040	.187	*2100265

* ZINC PLATED

NOTES

PINS

DOWEL AND TAPER

PART NO.	DESCRIPTION
23550	PIN .094 X 5/16 DOWEL
632	PIN .125 X 3/8 DOWEL
10264	PIN .125 X 5/8 DOWEL
127735	PIN 5-40 X .812 #2-0 TAPER DOWEL
25393	PIN 10-32 X .906 #3 TAPER DOWEL
284691	PIN 1 X 3 TAPER
284690	PIN 1-0 X 3 TAPER
284692	PIN 2 X 3 TAPER
186720	PIN 2-0 X 7/8 TAPER
284693	PIN 3 X 3 TAPER
288721	PIN 3-0 X 3 TAPER
150526	PIN 3-0 X 7/8 BRASS SHEAR TAPER
284694	PIN 4 X 3 TAPER
284695	PIN 5 X 3 TAPER
43741	PIN 7-0 X 7/16 TAPER

TAPER PINS

CATALOG PART NO.	PIN SIZE	SUB TAPER PIN PART NO.	CATALOG PART NO.	PIN SIZE	SUB TAPER PIN PART NO.
31	1	284691	38035	5-0	288721
34	2-0	284690	43740	7-0	288721
154	4-0	288721	43741	7-0	288721
292	1	284691	44285	5-0	288721
315	1	284691	44507	4-0	288721
3904	2-0	284690	101043	3	284693
3916	1-0	284690	101128	1-0	284690
3917	1	284691	101181	1-0	284690
4159	1-0	284690	101761	5-0	288721
4320	5-0	288721	101765	1	284691
4327	5-0	288721	103409	1-0	284690
5350	2	284692	120791	1-0	284690
5351	2	284692	126736	5-0	288721
5352	2	284692	128712	3	284693
5771	5-0	288721	138298	1-0	284690
8427	4-0	288721	139472	4-0	288721
8493	3	284693	139686	6-0	288721
10307	2-0	284690	141431	7-0	288721
10308	2-0	284690	150485	4	284694
10311	2	284692	150526	3-0	288721
11379	4	284694	151218	1-0	284690
12473	6-0	288721	151219	1-0	284690
14464	5-0	288721	151230	1-0	284690
17563	1-0	284690	151231	3-0	288721
19167	3-0	288721	151276	2-0	284690
19616	2	284692	173700	2	284692
20090	1-0	284690	176216	3	284693
22111	6-0	288721	179051	3	284693
22828	6-0	288721	186714	5-0	288721
22867	3-0	288721	186720	2-0	284690
23096	6-0	288721	197656	2-0	284690
23100	1	284691	208775	3-0	288721
24624	2	284692	216835	3-0	288721
24695	4-0	288721	218850	4	284694
24741	1-0	284690	219941	3-0	288721
25177	3	284693	223959	1-0	284690
25535	2-0	284690	228840	1-0	284690
25607	2-0	284690	234704	3-0	288721
25773	4	284694	236498	6-0	288721
25778	5	284695	251811	7-0	288721
25780	1	284691	252370	2-0	284690
26165	3	284693	255597	2-0	284690
28441	2-0	284690	255599	2-0	284690
28564	6-0	288721	256195	1-0	284690

TAPER PINS (CONT.)

29930	3-0	288721	257005	3-0	288721
29949	4-0	288721	257571	2	284692
29980	3-0	288721	259860	7-0	288721
30145	3-0	288721	310113	3-0	288721
33371	5-0	288721	311065	1-0	284690
316566	7-0	288721	832630	3-0	288721
341544	4-0	288721	857016	2-0	284690
347782	8-0	288721	1090130	3-0	288721
435943	3-0	288721	2122320	4	284694
441523	2-0	284690	2123335	2	284692
477076	3-0	288721	2123376	1	284691
600595	1-0	284690	2174154	5	284695
600702	1-0	284690	5255318	7-0	288721
600703	2	284692	5414392	2-0	284690
621394	1	284691			

REEL-TAPE,TAKE UP REELS

ORDER ALL TAKE UP REELS FROM IRD THRU BRANCH OFFICE

(OLD STYLE)		(NEW STYLE)	
COLOR	PART NO	COLOR	PART NO
RED	337551	YELLOW	7038761
YELLOW	337553	BLUE	7038762
WHITE	432168	GREY	7038763
BLUE	529225	GREEN	7038764
GREY	529237	VIOLET	7038765
		BLACK	7038766
		RED	7038767
		WHITE	7038768

PLATENS

LEGEND:A-PLATEN LENGTH (INCHES)
B-RATCHET (NO.OF SPACES/TEETH)

NOTE: ALL STANDARD PIN FEED PLATENS AND PIN FEED PLATEN CORES CAN BE OBTAINED FROM YOUR DISTRIBUTION CENTERS.

PIN FEED PLATENS AND CORES ARE MEASURED FROM PIN TO PIN

ALL SPECIAL PIN FEED PLATENS AND CORES MUST BE ORDERED ON AN MES.

SELECTRIC I/O PLATENS

PART NO.	A	B
1166975	11	27
1166993	11	36
1187815	15	24
1166976	15	27
1166992	15	36
1166977	15	54

NOTES

WIRE CONTACT RELAYS

PART NO.	PART NAME
159944	CLIP – TERMINAL MOULDING (4 POS. TOP)
159945	CLIP – TERMINAL MOULDING (6 POS. TOP)
159946	CLIP – TERMINAL MOULDING (12 POS. TOP)
308704	CLIP – TERMINAL MOULDING (4 POS. BOTTOM)
284424	CLIP – TERMINAL MOULDING (12 POS. BOTTOM)
205331	JUMPER – BRASS 1/8 IN.
205329	JUMPER – BRASS 5/32 IN.
205330	JUMPER – BRASS 3/16 IN.
129245	JUMPER – WIRE 5 1/2 IN.
129248	JUMPER – WIRE 8 1/2 IN.
198363	SCREW – TERMINAL MOULDING
156731	SPRING – TERMINAL MOULDING
159941	TERMINAL MOULDING ASM. (4 POS. W C)
159942	TERMINAL MOULDING ASM. (6 POS. W C)
159943	TERMINAL MOULDING ASM. (12 POS. W C)
344599	TERMINAL MOULDING ASM. (4 POS. P M)
344603	TERMINAL MOULDING ASM. (6 POS. P M)
344592	WIRE CONTACT – PM RELAY
338388	WIRE CONTACT – GOLD PLATED
149878	WIRE CONTACT – SILVER PLATED

48 VOLT WIRE CONTACT RELAYS

NO. OF POS.	TYPE OF COIL	NUMBER ON COIL		RELAY ASM PART NUMBER			
		OLD	NEW	ALL SILVER	HALF SILVER HALF GOLD	ALL GOLD	11 SILVER 1 GOLD
2	HSP	186693	344536	328273			
	H	186259	344535				
4	P	198881	344540	196206			
	P1 & P2	198884	344543	196207	327218		
	P & HRH	198887	344502	196208		360670	
	HSP & H	228881	344549	104753			
	HSP 1	186693	344536	186696			
	HSP 2	186699	344555				
	H	186259	344556				
6	P	198882	344541	196196			
	P1 & P2	198885	344544	196197	327217		
	P & HRH	198888	344547	196198	327216	360675	
	MSP	257112	770002	257113			
	HSP	107559	770006	107558			
	HSP & H	107556	344530	107560			
	HSP & HRH	257658	770003	257659			
12	P	198883	344542	196186			
	P1 & P2	198886	344545	196187	327215		
	HSP	107557	344529	107556			
	P & HRH	255644	344552	255735	327214	344554	338393
	HSP & H	108389	344531	108388			

RELAYS
REED

NO. POS.	FORMER	NEW	SNAP	COIL VOLT	NOTES
	765215	1157032			
	765460	1157032			
1	765602	766037		12	
2	765617	766035		12	
6	765619	766036		12	
2	765621	766035		12	
1	765623	766037		12	1051
1	765625	766038		12	1051
	765634	766039			
1	765654	766040		12	
2	765655	766041		12	
2	765655	766561			USE ON 2321
2	765665	766043		12	
2	765666	766044		12	
4	765668	766046		12	
4	765669	766047		12	
4	765670	766048		12	
4	765671	766049		12	
4	765689	766053		12	
2	765692	766056		12	
2	765693	766057		12	
6	765697	766070		48	
6	765698	766070		48	
4	765699	766073		48	
4	765700	766071	766245	48	CEM 029-86
2	765701	766067		24	
1	765704	766059		3	
1	765717	766068		24	
4	765718	766069		24	
1	765719	766065		18	
2	765720	766072		48	
2	765721	766072	766246	48	CEM 029-86
4	765722	766073	766250	48	CEM 029-86
4	765722	767513		48	059 ONLY
4	765724	766074	766247	48	CEM 029-86
6	765625	766075		48	
6	765726	766076	766248	48	CEM 029-86
4	765729	766078		48	
	765743	766064			
4	765815	766079		48	
2	765816	766080		48	
6	765820	766083		48	
1	765825	766086	766249	48	CEM 029-#86,#108
1	765826	766086		48	
2	765831	766087		48	
2	765832	766087		48	
	765963	766064			
6	765965	766075		48	
6	765972	766085		48	
4	765973	766046		12	
	766041	764504		12	059-12 VOLT
4	766062	766082		48	
4	766073	767513		48	MATCHED COILS FOR 059
3	766073	764925		48	CEM 029-139 #2 PT. REMOVED
6	766089	766085		48	
6	766096	766085		48	
6	766244	766070		48	
	767035	766088			
	767036	766088			
3	767513	764925		48	CEM 029-139 # 2 PT. REMOVED
2		766001		48	SIMILAR TO 766087
6		766051		12	
6		766058		12	
4		766061		6	

48 V LATCH TYPE WIRE CONTACT RELAYS

NUMBER OF POSITIONS	TYPE OF COIL	NUMBER ON COIL				RELAY ASM PART NO.
		LATCH		TRIP		
		OLD	NEW	OLD	NEW	
4	P	186708	344539	186707	344538	186685
	P1 & P2	186249	344532	186707	344538	186247
	P - BUCK	186249	344532	186707	344538	239188
6	P	186255	344534	186707	344538	186686

NEW WIRE CONTACT COLOR CODE

P or P1	PICK	BLACK
P2	SECOND PICK	YELLOW
MSP	MEDIUM SPEED PICK	TAN
HSP	HIGH SPEED PICK	BLUE
H	HOLD	GREEN*
HRH	HIGH RESISTANCE HOLE	RED
LT	LATCH TRIP	YELLOW

NOTE: SINGLE WOUND COILS HAVE ONLY ONE WIRE COLOR CODED. THE OTHER WIRE WILL BE WHITE.

*NEW PRODUCTION RELAYS WILL USE GRAY INSTEAD OF GREEN

48 V PERMISSIVE MAKE WIRE CONTACT RELAYS

NO. OF POSITIONS	TYPE OF COIL	NUMBER ON COIL	RELAY ASM PART NO.
4	P & H	344580	344600
	P & HRH	311708	311712
	HSP & H	344581	344601
	HSP & HRH	311709	311713
	HSP & HRH	765028	765030
6	P & H	344616	344620
	P & HRH	311710	311714
	HSP & H	344617	344621
	HSP & HRH	311711	311715
	HSP & HRH	765029	765031

PERMISSIVE MAKE RELAY COLOR CODE

P & H	STANDARD PICK AND HOLE	BLACK & GREEN*
P & HRH	STANDARD PICK AND HIGH RESISTANCE HOLD	BLACK & RED
HSP & H	HIGH SPEED PICK AND STANDARD HOLD	BLUE & GREEN*
HSP & HRH	HIGH SPEED PICK AND HIGH RESISTANCE HOLD	BLUE & RED

*NEW PRODUCTION RELAYS WILL USE GRAY INSTEAD OF GREEN

VOLTAGE COLOR CODE

THE COILS ON ALL NEW PRODUCTION WIRE CONTACT AND PM RELAYS WILL BE WRAPPED WITH COLORED ACETATE YARN TO INDICATE THE VOLTAGE GROUP.

100 VOLTS	TANGERINE (ORANGE)
48 VOLTS	WHITE
20 VOLTS	YELLOW
8 VOLTS	VIOLET

DUO RELAYS

PART NO.	
165598	ARMATURE ASM.(O/S)
107177	ARMATURE ASM.(N/S)
122528	COIL ASM.-CLIP &-STAMPED 175236
127153	COIL ASM.-CLIP &-STAMPED 127154
149573	COIL ASM.-CLIP &-STAMPED 111360
127072	COIL ASM.-CLIP &-STAMPED 122181
134917	COIL ASM.-CLIP &-STAMPED 152272
101952	COIL ASM.-CLIP &-STAMPED 128024
153408	COIL ASM.-CLIP &-STAMPED 26476
153420	COIL ASM.-CLIP &-STAMPED 121059
153421	COIL ASM.-CLIP &-STAMPED 13200
154310	COIL ASM.-CLIP &-STAMPED 111310
154350	COIL ASM.-CLIP &-STAMPED 111350
154390	COIL ASM.-CLIP &-STAMPED 111390
159560	COIL ASM.-CLIP &-STAMPED 170187
179400	COIL ASM.-CLIP &-STAMPED 111400
191226	COIL ASM.-CLIP &-STAMPED 191225

NOTES

RESISTANCE IN OHMS

COLOR A	FIRST SIGNIFI-CANT FIGURE	COLOR B	SECOND SIGNIFI-CANT FIGURE	COLOR C	DECIMAL MULTIPLIER	COLOR D	RESISTIVE TOLER-ANCE
Black	0	Black	0	Black	.....	None	20%
Brown	1	Brown	1	Brown	10	Silver	10%
Red	2	Red	2	Red	100	Gold	5%
Orange	3	Orange	3	Orange	1,000		
Yellow	4	Yellow	4	Yellow	10,000		
Green	5	Green	5	Green	100,000		
Blue	6	Blue	6	Blue	1,000,000		
Violet	7	Violet	7	Violet	10,000,000		
Gray	8	Gray	8	Gray			
White	9	White	9	White			
				Gold	0.1		
				Silver	0.01		

LEGEND A-WATTAGE
B-RESISTANCE-OHMS,PRECEDED BY K-KILOHMS,M-MEGOHMS
C-TOLERANCE
D-LENGTH OF RESISTOR
E-DIAMETER OF RESISTOR
F-LEAD LENGTH

WIREWOUND,HIGH POWER RESISTORS
AXIAL LEAD WIRE

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
1.	2.	5%	.406	.094	207321	10.	10.	5%	1.875	.438	556485
1.	K39.	5%	.562	.225	322753	10.	15.	10%	1.750	.400	2257167
3.	100.	10%	.625	.312	1142820	10.	15.	10%	1.875	.500	804142
5.	.05	5%	.875	.312	208225	10.	20.	5%	1.875	.438	595261
5.	.1	5%	.875	.312	207324	10.	25.	5%	1.742	.406	317357
5.	.2	5%	.875	.312	208959	10.	50.	5%	1.875	.438	501551
5.	.3	5%	.875	.312	208226	10.	100.	5%	1.875	.438	2102508
5.	.5	5%	.875	.312	208970	10.	130.	5%	1.938	.406	483383
5.	1.	5%	.875	.312	207320	10.	150.	5%	1.875	.438	2102625
5.	2.	--%	1.375	.500	103235	10.	150.	10%	1.750	.400	2257166
5.	3.	5%	.875	.312	483200	10.	250.	5%	1.875	.438	2102363
5.	15.	10%	1.125	.438	520546	10.	250.	10%	1.750	----	104187
5.	25.	5%	1.000	.313	2123009	10.	300.	5%	1.875	.438	2102627
5.	40.	5%	1.000	.344	241318	10.	350.	5%	1.875	.438	597682
5.	75.	5%	1.000	.312	597437	10.	500.	5%	1.844	.469	317368
5.	100.	5%	1.032	.344	207338	10.	500.	10%	1.750	.375	338571
5.	150.	5%	1.032	.344	440514	10.	600.	5%	1.750	.375	2102425
5.	160.	5%	1.125	.438	207292	10.	1000.	5%	1.750	.375	317330
5.	200.	5%	1.032	.344	477144	10.	1000.	5%	1.875	.438	359661
5.	240.	5%	.937	.343	492612	10.	K 2.	5%	1.750	.406	341509
5.	250.	10%	1.062	.343	338572	10.	K 2.	5%	1.875	.438	2109043

WIREWOUND HIGH PWR (CONT.)

5.	270.	5%	1.000	.406	207337	10.	K 2.5	2%	1.875	.312	504369
5.	330.	5%	1.125	.438	207325	10.	K 3.	2%	1.750	.406	511307
5.	500.	5%	1.062	.375	2102155	20.	7.5	5%	2.000	.562	2392055
5.	770.	5%	1.032	.344	207290	20.	75.	5%	2.656	.563	2174936
5.	K 1.	5%	1.125	.438	2100878	20.	350.	5%	2.656	.563	2176287
5.	K 1.6	5%	1.125	.438	207289	20.	560.	5%	2.656	.563	2175865
5.	K 2.	5%	1.062	.375	2102532	25.	3.	5%	2.000	.781	2396459
5.	K 5.	5%	.906	.312	533270	25.	25.	5%	2.000	.781	353632
5.	K12.	5%	1.032	.344	473793	25.	60.	5%	1.937	.781	813233
7.	30.	5%	1.000	.375	2132040	25.	100.	5%	.562	.225	507142
10.	.5	5%	1.875	.500	472250	50.	.2	5%	4.000	.687	2392052
10.	1.	10%	1.938	.406	419150	75.	5.	5%	5.000	.800	2392053
10.	4.	5%	1.937	.438	5214077	75.	40.	5%	5.000	.800	2392054
10.	7.5	5%	1.750	.406	518068						

WIREWOUND,HIGH POWER-RESISTOR ASSEMBLIES
AXIAL LEADS

A	B	PART NO RESISTR	F	TERM NO	TERM TYPE	PART NO ASM.
5.	1.	207320	1.000	187243	PLUG	2277301
5.	3.	483200	1.500	187243	PLUG	2242450
5.	10.	316142	1.250	320167	PLUG	2154983
5.	25.	2123009	1.000	591047	PLUG	5762443
5.	.75	483247	1.750	92784	RING	2281437
5.	200.	814055	1.000	187243	PLUG	2277858
5.	200.	814055	1.280	334932	RING	2296300
5.	400.	208240	1.500	483677		5180420
5.	700.	492564	1.000	334932	RING	2247596
10.	2.	5214076	1.430	92784	RING	2296373
10.	20.	595261	1.500	187243	PLUG	2591129
10.	25.	317357	1.280	334932	RING	2296298
10.	25.	317357	1.250	334932	RING	2301026
10.	30.	609421	1.500	92784	RING	2282737
10.	37.	2591148	1.500	360433	PLUG	2591127
10.	40.	194759	1.280	334932	RING	2296299
10.	300.	2102627	2.000	483657		5462471
20.	50.	2261910	1.250	360433	PLUG	2261911
25.	3.	620232	-----	-------	-----	2243002
25.	.16	5261119	-----	-------	-----	2191093
38.	.56	5247161	2.000	359695	RING	5366637

WIREWOUND,HIGH POWER RESISTORS
NON AXIAL LEAD WIRE

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
5.	75.	5%	1.000	.312	440512	10.	K 3.	--%	1.750	.312	172605
5.	250.	10%	1.000	.312	315749	10.	K 4.	10%	1.750	.375	301812
5.	350.	5%	1.000	.312	512285	10.	K 5.	5%	1.750	.312	169136
5.	350.	10%	1.000	.312	317358	10.	K11.	5%	1.750	.312	504872
5.	450.	10%	1.000	.312	313886	10.	K25.	5%	1.750	.312	169139
5.	K 1.2	10%	1.000	.344	228204	12.	K10.	5%	1.750	.310	169137
5.	K 2.	10%	1.000	.344	228469	20.	30.	5%	2.656	.562	5213484
5.	K 3.	10%	1.000	.312	313566	20.	100.	--%	2.000	.438	285955
5.	K10.	5%	1.000	.312	504874	20.	K 1.3	10%	2.000	.438	504813
10.	50.	10%	1.000	.500	317124	25.	.3	10%	2.000	.813	5214522
10.	150.	10%	1.750	.312	253772	25.	100.	5%	2.000	.612	507142
10.	300.	5%	1.750	.312	505380	40.	.3	5%	3.250	1.56	2274383
10.	500.	10%	1.750	.438	228436	50.	75.	5%	4.500	.906	5409252
10.	750.	10%	1.750	.312	313887	100.	4.	5%	8.000	----	1765545
10.	K 1.5	10%	1.750	.312	313888						

LEGEND A-WATTAGE
B-RESISTANCE-OHMS,PRECEDED BY K-KILOHMS,M-MEGOHMS
C-TOLERANCE
D-LENGTH OF RESISTOR
E-DIAMETER OF RESISTOR
F-LEAD LENGTH

WIREWOUND,HIGH POWER RESISTORS
LUG SOLDER TYPE

A	B	C	D	E	PART NO
5.	1.	10%	1.000	.500	207321
5.	3.	5%	1.000	.500	472586
5.	50.	5%	1.000	.500	207319
5.	100.	5%	1.000	.312	528139
5.	125.	5%	1.000	.500	320611
5.	200.	5%	1.000	.312	524985
5.	350.	5%	1.000	.500	443052
5.	K 1.5	5%	1.062	.450	2114059
5.	K 3.5	5%	1.000	.500	313889
10.	1.	10%	1.750	.312	254661
10.	4.	10%	1.812	.500	526324
10.	5.	10%	1.750	.500	322686
10.	10.	5%	1.750	.312	1127175
10.	15.	5%	1.750	.312	482499
10.	20.	5%	1.750	.204	124695
10.	20.	10%	1.812	.500	526323
10.	30.	10%	1.750	.750	563882
10.	50.	10%	1.750	.500	805044
10.	75.	5%	1.750	.500	221517
10.	100.	5%	1.750	.500	589787
10.	100.	5%	1.750	.500	472539
10.	100.	10%	1.750	.312	322688
10.	150.	5%	1.750	.500	472251
10.	200.	5%	1.844	.469	303653
10.	250.	5%	1.750	.500	472560
10.	270.	5%	1.750	.500	646797
10.	300.	-%	1.750	.312	517812
10.	300.	5%	1.750	.500	519692
10.	500.	5%	1.750	.500	472566
10.	600.	5%	1.750	.500	443053
10.	750.	5%	1.750	.500	443050
10.	K 1.	-%	1.500	.562	184092
10.	K 1.	5%	1.750	.500	320275
10.	K 1.25	5%	1.750	.500	331687
10.	K 1.5	5%	1.750	.500	510962
10.	K 1.5	5%	1.750	.312	528158
10.	K 5.	5%	1.750	.312	528526
10.	K18.	10%	1.750	.312	322696
15.	22.	5%	1.000	.---	5361896
15.	50.	5%	1.000	.---	5361899
15.	150.	5%	1.000	.380	5364147
15.	300.	5%	1.000	.---	5361894
20.	10.	5%	2.000	.562	472715
20.	140.	2%	2.000	.---	353074
20.	150.	2%	2.000	.---	353372
25.	.04	10	2.000	.560	5261098
25.	.06	10	.2000	.560	5261118
25.	.09	10	2.000	.560	5261099
25.	.16	10	2.000	.560	5261119
25.	.3	10	2.000	.560	5213405
25.	.5	5%	2.000	.781	736651
25.	.5	10	2.000	.560	5261117
25.	1.	5%	2.000	.625	512074
25.	3.	5%	2.000	.781	337213
25.	3.	10	2.000	.781	620232
25.	5.	10	2.000	.625	501550
25.	10.	5%	2.000	.781	253181
25.	15.	10	2.000	.562	472588
25.	25.	5%	2.000	.750	332791
25.	25.	10	2.000	.781	317126
25.	40.	5%	2.000	.781	597364
25.	50.	5%	2.000	.781	472611
25.	75.	-%	2.500	.---	317127
25.	100.	5%	2.000	.781	507142
25.	150.	5%	2.000	.625	312610
25.	150.	10	2.000	.625	508226
25.	200.	5%	2.000	.625	505296
25.	200.	5%	2.000	.781	221110
25.	250.	5%	2.062	.781	2102582
25.	300.	5%	2.000	.781	515821
25.	400.	5%	2.000	.625	505295
25.	500.	5%	2.000	.781	301805
25.	K 2.	5%	2.000	.781	473258
25.	K 7.	5%	2.062	.781	301820
25.	K10.	5%	2.000	.781	301821
35.	3.	5%	4.000	.469	5261439
40.	25.	-%	3.500	.750	261830
40.	250.	2%	2.000	.---	353076
50.	1.	5%	4.000	.562	5261351
50.	2.	5%	4.500	.800	854893
50.	2.	10	4.000	.910	5261378
50.	4.	10	4.500	.910	591465
50.	5.	10	4.000	.562	5363656
50.	6.	5%	2.000	.750	5311104
50.	10.	5%	4.500	.906	2122128
50.	10.	10	4.000	.562	5344887
50.	25.	10	4.000	.906	208825
50.	100.	5%	4.000	.906	222553
50.	150.	5%	4.500	.906	509798
50.	200.	5%	4.500	.906	504694
50.	300.	5%	4.500	.906	526342
50.	K 2.5	5%	4.500	.906	331955
90.	.06	10	4.000	.880	730483
90.	.07	10	4.000	.880	730499
90.	.11	10	4.000	.880	730427
90.	.12	10	4.000	.880	730452
90.	.14	10	4.000	.880	730425
90.	.18	10	4.000	.880	730426
90.	.24	10	4.000	.880	730482
100.	1.	5%	6.500	1.00	5305169
100.	5.	10	6.500	1.25	317316
100.	5.	10	6.500	.750	322465
100.	10.	10	6.500	1.25	317317
100.	25.	10	6.500	.812	317318
100.	50.	5%	6.562	1.25	2100123
100.	50.	10	6.500	1.25	317319
100.	100.	5%	6.500	1.25	476457
100.	100.	10	6.500	1.25	317320
160.	10.	10	8.500	1.25	322687
160.	25.	5%	8.562	1.25	2101406
200.	50.	10	10.50	1.25	518648

CARBON, LOW POWER RESISTORS
AXIAL LEADS

A	B	C	D	E	PART NO
.125	33.	10%	.145	.062	5702936
.25	33.	5%	.250	.095	549978
.25	51.	5%	.250	.090	550051
.25	82.	5%	.250	.090	550049
.25	100.	5%	.250	.090	595359
.25	130.	5%	.250	.090	217081
.25	150.	5%	.250	.090	216429
.25	160.	5%	.250	.090	216430
.25	200.	5%	.250	.090	492615
.25	240.	5%	.250	.090	595358
.25	270.	5%	.250	.090	595358
.25	330.	5%	.250	.090	216434
.25	360.	5%	.250	.090	216435
.25	470.	5%	.250	.090	216438
.25	510.	5%	.250	.090	216439
.25	620.	5%	.250	.090	216441
.25	680.	5%	.250	.090	216442
.25	750.	5%	.250	.090	216443
.25	820.	5%	.250	.090	217082
.25	K 1.	5%	.250	.090	216445
.25	K 1.2	5%	.250	.090	216447
.25	K 1.3	5%	.250	.090	216448
.25	K 1.5	5%	.250	.090	216449
.25	K 1.8	5%	.250	.090	216451
.25	K 2.	5%	.250	.090	216452
.25	K 2.4	5%	.250	.090	216454
.25	K 2.7	5%	.250	.090	216455
.25	K 3.	5%	.250	.090	595357
.25	K 3.3	5%	.250	.090	216456
.25	K 4.7	5%	.250	.090	216460
.25	K 5.1	5%	.250	.090	216461
.25	K 5.6	5%	.250	.090	216462
.25	K 6.2	5%	.250	.090	216463
.25	K 7.5	5%	.250	.090	216465
.25	K 10.	5%	.250	.090	216468
.25	K 12.	5%	.250	.090	216470
.25	K 20.	5%	.250	.090	216475
.25	K 30.	5%	.250	.090	216479
.25	K 51.	5%	.250	.090	216485
.25	K110.	5%	.250	.090	216492
.25	K130.	5%	.250	.090	216494
.25	K240.	5%	.250	.090	216499
.25	M 1.	5%	.250	.090	216746
.5	5.1	5%	.375	.140	492692
.5	10.	5%	.375	.140	321271
.5	12.	5%	.375	.140	132396
.5	13.	5%	.375	.140	132397
.5	15.	5%	.375	.140	360046
.5	20.	5%	.375	.140	334949
.5	22.	5%	.375	.140	317002
.5	24.	5%	.375	.140	492351
.5	27.	5%	.375	.140	454389
.5	30.	5%	.375	.140	322742
.5	33.	5%	.375	.140	491223
.5	36.	5%	.375	.140	492349
.5	39.	5%	.375	.140	491221
.5	43.	5%	.375	.140	132395
.5	47.	5%	.375	.140	317003
.5	47.	10%	.562	.225	192398
.5	51.	5%	.375	.140	502483
.5	56.	5%	.375	.140	132400
.5	75.	5%	.375	.140	521792
.5	82.	5%	.375	.140	317390
.5	91.	5%	.375	.140	334902
.5	100.	5%	.375	.140	213536
.5	120.	5%	.375	.140	317004
.5	130.	5%	.375	.140	509499
.5	150.	5%	.375	.140	322729

A	B	C	D	E	PART NO
.5	150.	20%	.375	.140	314021
.5	160.	5%	.375	.140	317005
.5	180.	5%	.375	.140	323918
.5	200.	5%	.375	.140	317006
.5	220.	5%	.375	.140	317007
.5	240.	5%	.375	.140	333202
.5	270.	5%	.375	.140	360902
.5	270.	5%	.375	.140	356740
.5	300.	5%	.375	.140	317008
.5	330.	5%	.375	.140	317428
.5	360.	5%	.375	.140	528937
.5	390.	5%	.375	.140	317009
.5	430.	5%	.375	.140	317010
.5	470.	5%	.375	.140	317011
.5	510.	5%	.375	.140	317012
.5	560.	5%	.375	.140	322347
.5	620.	5%	.375	.140	317013
.5	680.	5%	.375	.140	317014
.5	750.	5%	.375	.140	317015
.5	820.	5%	.375	.140	317016
.5	K 1.	5%	.375	.140	213693
.5	K 1.1	5%	.375	.140	317001
.5	K 1.2	5%	.375	.140	317276
.5	K 1.3	5%	.375	.140	317429
.5	K 1.5	5%	.375	.140	317017
.5	K 1.6	5%	.375	.140	317018
.5	K 1.8	5%	.375	.140	213714
.5	K 2.	5%	.375	.140	317019
.5	K 2.2	5%	.375	.140	317020
.5	K 2.4	5%	.375	.140	323919
.5	K 2.7	5%	.375	.140	317021
.5	K 3.	5%	.375	.140	323920
.5	K 3.3	5%	.375	.140	213692
.5	K 3.6	5%	.375	.140	334923
.5	K 3.9	5%	.375	.140	317022
.5	K 4.3	5%	.375	.140	317023
.5	K 4.7	5%	.375	.140	213549
.5	K 5.1	5%	.375	.140	317024
.5	K 5.6	5%	.375	.140	317430
.5	K 5.6	10%	.375	.140	313890
.5	K 6.2	5%	.375	.140	334914
.5	K 6.8	5%	.375	.140	317025
.5	K 7.5	5%	.375	.140	300720
.5	K 8.2	5%	.375	.140	317529
.5	K 9.1	5%	.375	.140	317026
.5	K 10.	5%	.375	.140	300721
.5	K 12.	5%	.375	.140	300722
.5	K 15.	5%	.375	.140	213547
.5	K 16.	5%	.375	.140	317274
.5	K 18.	5%	.375	.140	317028
.5	K 20.	5%	.375	.140	300723
.5	K 22.	5%	.375	.140	323900
.5	K 24.	5%	.375	.140	213697
.5	K 27.	5%	.375	.140	317362
.5	K 30.	5%	.375	.140	322820
.5	K 33.	5%	.375	.140	317029
.5	K 36.	5%	.375	.140	213760
.5	K 39.	5%	.375	.140	300724
.5	K 43.	5%	.375	.140	334919
.5	K 47.	5%	.375	.140	317030
.5	K 47.	10%	.562	.225	180846
.5	K 51.	5%	.375	.140	300726
.5	K 51.	10%	.375	.140	228468
.5	K 56.	5%	.375	.140	317275
.5	K 56.	10%	.375	.140	301149
.5	K 62.	5%	.375	.140	214123
.5	K 68.	5%	.375	.140	317031
.5	K 75.	5%	.375	.140	323939

CARBON,LOW POWER (CONTINUED)
AXIAL LEADS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
.5	K 82.	5%	.375	.140	300727	.5	K560.	5%	.375	.140	213558
.5	K 91.	5%	.375	.140	317032	.5	K620.	5%	.375	.140	213557
.5	K100.	5%	.375	.140	300728	.5	K680.	5%	.375	.140	213556
.5	K110.	5%	.375	.140	317033	.5	K820.	5%	.375	.140	300735
.5	K120.	5%	.375	.140	321178	.5	K910.	5%	.375	.140	317041
.5	K130.	5%	.375	.140	317034	.5	M 1.	5%	.375	.140	300736
.5	K150.	5%	.375	.140	213539	.5	M 1.2	5%	.375	.140	321195
.5	K160.	5%	.375	.140	317035	.5	M 1.5	5%	.375	.140	317042
.5	K180.	5%	.375	.140	317036	.5	M 1.6	5%	.375	.140	335972
.5	K220.	5%	.375	.140	317037	.5	M 1.8	5%	.375	.140	321272
.5	K270.	5%	.375	.140	300730	.5	M 2.	5%	.375	.140	335360
.5	K300.	5%	.375	.140	317038	.5	M 2.2	5%	.375	.140	317273
.5	K330.	5%	.375	.140	300731	.5	M 2.7	5%	.375	.140	98851
.5	K360.	5%	.375	.140	317039	.5	M 3.3	5%	.375	.140	309951
.5	K390.	5%	.375	.140	300732	2.	75.	5%	.608	.312	526062
.5	K430.	5%	.375	.140	317040	2.	180.	5%	.688	.312	320610
.5	K470.	5%	.375	.140	300733	2.	560.	5%	.688	.312	360046
.5	K470.	10%	.406	.125	156423	2.	750.	5%	.688	.312	322333
.5	K510.	5%	.375	.140	300734						

CARBON,LOW POWER RESISTORS ASSEMBLIES
AXIAL LEADS

A	B	PART NO RESISTR	F	TERM NO	TERM TYPE	PART NO
.25	240.	550050	1.500	596255	SPEC.	1964442
.25	620.	216441	.750	815934		2510533
.25	K 2.2	216453	1.250	596255	SPEC.	5309764
.5	22.	317002	1.500	------	-----	2514476
.5	30.	322742	1.250	187243	PLUG	2190881
.5	33.	401223	1.250	187243	PLUG	2250941
.5	68.	508040	1.500	187243	PLUG	1277195
.5	91.	334902	2.000	187243	PLUG	2281841
.5	100.	213536	1.000	320167	PLUG	5323493
.5	510.	317012	1.620	187243	PLUG	2281843
.5	K 1.5	317017	1.500	187243	PLUG	2156144
.5	K 3.6	334923	1.250	483677		5171935
1.	7.5	483073	1.500	187243	PLUG	2183602
1.	125.	2261908	1.500	360433	PLUG	2261909
1.	360.	502479	1.500	483677		5171936
1.	K 2.7	317054	1.500	368169		5203025
1.	K 3.	320661	1.750	334921	RING	5783314
1.	K1000.	322692	1.250	334932	RING	4681861
1.	M 1.	503498	1.250	334768		5421169
1.	M 1.	502498	1.750	92784	RING	5421636
2.	20.	317733	1.250	1092019	RING	2207322
2.	27.	216798	1.500	360433	PLUG	2591143
2.	30.	216799	1.500	483658		2592373
2.	56.	216981	1.380	334932	RING	2286455
2.	56.	216991	1.750	334921	RING	2278916
2.	100.	322858	1.500	334910		2514475
2.	160.	216991	.500	334932	RING	5232884
2.	470.	320655	1.250	2101657		2244921
2.	620.	509638	1.500	313289		5888604
2.	750.	322333	.688	435599	SPADE	2102624
2.	K 1.5	317084	1.500	313289		5888605
2.	K 1.8	317085	1.500	1127037		5262037
2.	K20.	317783	1.500	483677		2454707
2.	K 20.	317783	1.750	334921	RING	2278917

WIREWOUND,HIGH POWER,ADJUSTABLE RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
10.	5.	5%	1.750	.312	523285	25.	500.	10%	2.000	.750	5355428
10.	30.	5%	1.750	.---	596395	25.	K 2.	---	2.000	.625	252206
10.	150.	10%	1.750	.312	252816	50.	50.	5%	4.500	.750	317449
10.	200.	5%	1.750	.---	505375	50.	K 2.	---	4.500	.750	314488
10.	500.	---	1.750	.312	335474	100.	5.	10%	6.500	1.25	317321
10.	K 5.	---	1.750	.375	239611	100.	25.	10%	6.500	1.25	317326
15.	50.	5%	1.000	1.25	5361898	100.	250.	10%	6.500	1.25	317324
25.	1.	10%	2.000	.781	341750	100.	100.	10%	6.500	1.25	334595
25.	2.	10%	2.000	.781	341751	160.	50.	5%	8.500	1.25	526357
25.	5.	10%	2.000	.812	2593469	160.	100.	---	8.500	1.25	335024
25.	50.	5%	2.000	.750	332792						

NONMETALLIC FILM,LOW POWER,PRECISION RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
.1	620.	1%	.250	.093	5311585	.25	K 1.3	1%	.590	.190	481997
.1	K 62.	1%	.250	.093	5311584	.5	30.9	1%	.730	.255	481439
.125	40.2	1%	.405	.115	479006	.5	32.4	1%	.730	.255	481441
.125	80.6	1%	.405	.115	479034	.5	34.8	1%	.730	.255	481443
.125	93.1	1%	.405	.115	479039	.5	35.7	1%	.730	.255	481444
.125	97.6	1%	.405	.115	479041	.5	36.5	1%	.730	.255	481445
.125	162.	1%	.405	.115	479056	.5	38.3	1%	.730	.255	481447
.125	243.	1%	.405	.115	528915	.5	66.5	1%	.730	.255	481467
.125	422.	1%	.405	.115	492384	.5	95.3	1%	.730	.255	481480
.125	549.	1%	.405	.115	479037	.5	100.	1%	.730	.255	481482
.125	K 2.4	1%	.405	.115	528914	.5	137.	1%	.730	.255	481491
.125	K 6.8	1%	.405	.115	491248	.5	309.	1%	.730	.255	481516
.125	K 8.2	1%	.405	.115	491283	.5	324.	1%	.730	.255	481518
.125	K12.4	1%	.405	.115	479168	.5	K 4.5	1%	.730	.255	491217
.25	24.3	1%	.590	.190	481860	.5	K 6.3	1%	.730	.255	481613
.25	95.3	1%	.590	.190	481914	.5	K16.	1%	.866	.312	2128831
.25	97.6	1%	.590	.190	492656	.5	K20.	1%	.730	.255	317435
.25	102.	1%	.590	.190	481916	.5	K48.	1%	.866	.312	2128834
.25	110.	1%	.590	.190	481919	.5	K49.9	1%	.730	.255	513640
.25	237.	1%	.590	.190	481946	.5	K100.	1%	.730	.255	527870
.25	402.	1%	.590	.190	481966	.5	K140.	1%	.730	.255	503982
.25	K 1.	1%	.610	.190	491010						

NONMETALLIC FILM,HIGH POWER,PRECISION RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
1.	500.	1%	.875	.293	322684	13.	150.	1%	3.000	.562	536431
2.	40.2	1%	2.234	.395	492424						

METALLIC FILM,LOW POWER,PRECISION RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
.2	K16.5	1%	.250	.115	842280	.5	K15.	1%	.750	.250	509594
.5	K 3.5	1%	.750	.281	509854	.5	K15.4	1%	.750	.250	5213447
.5	K 4.6	1%	.750	.250	5213446	.5	10.	1%	.750	.281	2100882
.5	K 9.8	1%	.750	.250	5213445						

METALLIC FILM,HIGH POWER,PRECISION RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
1.	549.	1%	1.062	.375	5213392	13.	100.	1%	3.000	.562	595353
7.	90.	1%	1.500	.594	595352						

METALLIC FILM,LOW POWER RESISTORS

A	B	C	D	E	PART NO	A	B	C	D	E	PART NO
.5	M 1.2	5%	.375	.140	321195	.5	68.	5%	.375	.140	508040
.5	M 1.6	5%	.375	.140	334972	1.	510.	5%	.562	.225	103915
.5	M 2.7	5%	.375	.140	98851						

LEGEND A-WATTAGE
B-RESISTANCE-OHMS,PRECEDED BY K-KILOHMS,M-MEGOHMS
C-TOLERANCE
D-LENGTH OF RESISTOR
E-DIAMETER OF RESISTOR
F-LEAD LENGTH

CARBON,HIGH POWER RESISTORS
AXIAL LEADS

A	B	C	D	E	PART NO
1.	2.7	5%	.562	.225	335322
1.	3.3	5%	.562	.225	725745
1.	5.1	5%	.562	.225	360044
1.	8.2	5%	.562	.225	725746
1.	10.	5%	.562	.225	308341
1.	18.	5%	.562	.225	132768
1.	20.	5%	.562	.225	132769
1.	22.	5%	.562	.225	334986
1.	24.	5%	.562	.225	132771
1.	27.	5%	.562	.225	491278
1.	30.	5%	.562	.225	509507
1.	36.	5%	.562	.225	132772
1.	39.	5%	.562	.225	132773
1.	47.	5%	.562	.225	322777
1.	51.	5%	.562	.225	355683
1.	68.	5%	.562	.225	491237
1.	82.	5%	.562	.225	317046
1.	91.	5%	.562	.225	132783
1.	100.	5%	.562	.225	335131
1.	110.	5%	.562	.225	335012
1.	120.	5%	.562	.225	132784
1.	130.	5%	.562	.225	334930
1.	150.	5%	.562	.225	320880
1.	160.	5%	.562	.225	310298
1.	180.	5%	.562	.225	334987
1.	180.	10%	.562	.225	315975
1.	200.	5%	.562	.225	512400
1.	220.	5%	.562	.225	321196
1.	270.	5%	.562	.225	132786
1.	300.	5%	.562	.225	492376
1.	330.	5%	.562	.225	321200
1.	360.	5%	.562	.225	502479
1.	390.	5%	.562	.225	335019
1.	430.	5%	.562	.225	132807
1.	470.	5%	.562	.225	317432
1.	560.	5%	.562	.225	317433
1.	620.	5%	.562	.225	335050
1.	680.	5%	.562	.225	317048
1.	750.	5%	.562	.225	438266
1.	820.	10%	.562	.225	308711
1.	910.	5%	.562	.225	492353
1.	K 1.	5%	.562	.225	317049
1.	K 1.	10%	.562	.225	315971
1.	K 1.1	5%	.562	.225	334924
1.	K 1.2	5%	.562	.225	317050
1.	K 1.5	5%	.562	.225	317051
1.	K 1.6	5%	.562	.225	334947
1.	K 1.8	5%	.562	.225	317052
1.	K 2.2	5%	.562	.225	317053
1.	K 2.4	5%	.562	.225	334948
1.	K 2.7	5%	.562	.225	317054
1.	K 3.	5%	.562	.225	320661
1.	K 3.3	5%	.562	.225	317055
1.	K 3.6	5%	.562	.225	320662
1.	K 3.9	5%	.562	.225	317056
1.	K 4.3	5%	.562	.225	322309
1.	K 4.7	5%	.562	.225	317057
1.	K 5.1	5%	.562	.225	301815
1.	K 5.6	5%	.562	.225	317058

A	B	C	D	E	PART NO
1.	K 7.5	5%	.562	.225	322706
1.	K 8.2	5%	.562	.225	317061
1.	K 9.1	5%	.562	.225	317062
1.	K 10.	5%	.562	.225	317063
1.	K 12.	5%	.562	.225	317064
1.	K 15.	5%	.562	.225	317434
1.	K 18.	5%	.562	.225	301823
1.	K 22.	5%	.562	.225	301825
1.	K 30.	5%	.562	.225	338143
1.	K 33.	5%	.562	.225	317066
1.	K 39.	5%	.562	.225	322753
1.	K 43.	5%	.562	.225	334953
1.	K 47.	5%	.562	.225	323989
1.	K 56.	5%	.562	.225	326886
1.	K 68.	5%	.562	.225	317067
1.	K 75.	5%	.562	.225	322707
1.	K 82.	5%	.562	.225	322774
1.	K220.	5%	.562	.250	317047
1.	K270.	5%	.562	.225	323902
1.	K430.	5%	.562	.225	334946
1.	K560.	5%	.562	.225	301834
1.	620.	5%	.562	.225	334952
1.	M 1.	10%	.562	.225	322692
2.	10.	5%	.688	.312	317077
2.	12.	5%	.688	.312	216792
2.	13.	5%	.688	.312	216793
2.	15.	5%	.688	.312	356235
2.	22.	5%	.688	.312	321269
2.	24.	5%	.688	.312	216797
2.	27.	10%	.698	.312	301801
2.	36.	5%	.688	.312	216977
2.	39.	5%	.688	.312	334927
2.	43.	5%	.688	.312	334900
2.	47.	5%	.688	.312	335329
2.	51.	5%	.688	.312	472580
2.	56.	5%	.698	.312	216981
2.	75.	5%	.688	.312	216986
2.	100.	5%	.688	.312	322888
2.	110.	5%	.688	.312	216989
2.	120.	5%	.688	.312	317078
2.	130.	5%	.688	.312	492448
2.	150.	5%	.688	.312	317079
2.	160.	5%	.688	.312	216991
2.	200.	5%	.688	.312	335138
2.	220.	5%	.688	.312	322911
2.	240.	5%	.688	.312	301881
2.	300.	5%	.688	.312	334931
2.	330.	5%	.688	.312	317080
2.	390.	5%	.688	.312	335132
2.	430.	5%	.688	.312	492644
2.	470.	5%	.688	.312	320655
2.	510.	5%	.698	.312	472579
2.	620.	5%	.668	.312	509638
2.	680.	5%	.688	.312	335328
2.	820.	5%	.688	.312	317081
2.	K 1.	5%	.688	.312	317082
2.	K 1.	10%	1.750	.312	180407
2.	K 1.1	5%	.688	.312	492568
2.	K 1.2	5%	.688	.312	317083

CARBON,HIGH POWER (CONTINUED)
AXIAL LEADS

A		B	C	D	E	PART NO	A		B	C	D	E	PART NO
2.	K	1.5	5%	.688	.312	317084	2.	K	9.1	5%	.688	.312	317095
2.	K	1.5	10%	1.750	.312	301735	2.	K	10.	5%	.688	.312	317096
2.	K	1.8	5%	.688	.312	317085	2.	K	12.	5%	.688	.312	317097
2.	K	2.	5%	.688	.312	317350	2.	K	15.	5%	.688	.312	317098
2.	K	2.2	5%	.688	.312	317086	2.	K	18.	5%	.688	.312	322731
2.	K	2.7	5%	.688	.312	317087	2.	K	20.	5%	.688	.312	317783
2.	K	3.	5%	.688	.312	317088	2.	K	22.	5%	.688	.312	317099
2.	K	3.3	5%	.688	.312	317089	2.	K	27.	5%	.688	.312	322332
2.	K	3.3	10%	.688	.312	228209	2.	K	30.	5%	.688	.312	317100
2.	K	3.6	5%	.688	.312	320660	2.	K	33.	5%	.688	.312	317101
2.	K	3.9	5%	.688	.312	317090	2.	K	47.	5%	.688	.312	317272
2.	K	4.3	5%	.688	.312	320658	2.	K	68.	5%	.688	.312	317102
2.	K	4.7	5%	.688	.312	317091	2.	K	75.	5%	.688	.312	301830
2.	K	5.1	5%	.688	.312	322704	2.	K	82.	5%	.688	.312	317103
2.	K	5.6	5%	.688	.312	317092	2.	K	100.	5%	.688	.312	317105
2.	K	6.8	5%	.688	.312	317093	2.	K	330.	5%	.688	.312	502174
2.	K	7.5	5%	.688	.312	326998	2.	K	510.	5%	.688	.312	217003
2.	K	8.2	5%	.688	.312	317094							

WIREWOUND,HIGH POWER,PRECISION RESISTORS
AXIAL LEADS

A		B	C	D	E	PART NO	A		B	C	D	E	PART NO
1.		2820.	1%	1.000	.594	526326	5.		480.	1%	.938	.312	597442
3.		48.7	1%	.500	.187	480386	5.		530.	1%	1.000	.343	316145
3.		51.1	1%	.500	.187	480387	5.		590.	1%	.875	.312	483462
5.		1.3	1%	.875	.312	483514	5.		760.	1%	.875	.312	2132169
5.	K	1.5	1%	.875	.312	207341	5.		1200.	1%	.875	.312	207374
5.	K	1.9	1%	.875	.312	208256	5.		1600.	1%	.875	.312	441163
5.		10.	1%	.875	.312	316142	10.		4.75	1%	1.781	.375	207334
5.		35.	1%	.938	.312	533262	10.		7.5	1%	1.781	.375	2145049
5.		41.2	1%	.875	.312	483063	10.		30.	1%	1.781	.375	2154981
5.		50.	1%	1.000	.343	316144	10.		32.	1%	1.000	.500	534573
5.		120.	1%	1.000	.313	361571	10.		125.	1%	1.750	.312	335358
5.		180.	1%	.875	.312	2132170	10.		150.	1%	1.000	.500	534327
5.		223.5	.25	.906	.312	742715	10.		500.	1%	1.000	.500	534618
5.		260.	1%	.875	.312	208254	15.		106.	1%	2.250	.656	838483
5.		300.	1%	.875	.312	207366	40.		320.	1%	3.250	.153	362601
5.		325.	1%	.875	.312	208986	50.		200.	1%	2.780	.844	473476
5.		470.	1%	1.000	.343	316140							

WIREWOUND,HIGH POWER,PRECISION RESISTOR ASSEMBLIES
AXIAL LEADS

A	B	PART NO RESISTR	F	TERM NO	TERM TYPE	PART NO
10.	10.	2145041	1.380	360433	PLUG	639312

CARBON,LOW POWER,PRECISION RESISTORS
AXIAL LEAD

A		B	C	D	E	PART NO	A		B	C	D	E	PART NO
.12	K	2.15	1%	.406	.145	492363	.12		715.	1%	.406	.145	492367
.12		20.	1%	.406	.145	492444	.25	K	1.1	1%	.590	.223	492619
.12		107.	1%	.440	.180	492366	.5	K	3.	1%	.730	.255	217094
.12		187.	1%	.406	.145	492365							

WIREWOUND,LOW POWER-RESISTOR ASSEMBLIES
AXIAL LEADS

A	B	PART NO RESISTR	F	TERM NO	TERM TYPE	PART NO
.5	2.	103235	1.500	187243	PLUG	2242449

IRD MACHINE RIBBONS

A-MACHINE/B-TYPE RIBBON/C-COLOR

A	B	C	PART NO
026	COTTON-GP	BLACK	424810
&	NYLON	BLACK	424811
028	NYLON	PURPLE	424812
&	NYLON	BLACK	457948
029	NYLON	PURPLE	457949
129	REFER TO MACHINE 026		
402	COTTON GP	BLACK	413079
402	NYLON-GP	PURPLE	413196
407	NYLON-GP	BLACK	425115
407	NYLON-GP	PURPLE	413193
519	COTTON-SS	BLUE	101096
519	COTTON-SS	BLACK	163258
557	REFER TO MACHINE-402		
1052	NYLON-GP	BLACK	1136651
1052	NYLON-MP	BLACK	1136652
1053	REFER TO MACHINE-1052		
1058	REFER TO MACHINE-026		
1130	REFER TO MACHINE-1052		
1130	REFER TO MACHINE-1052		
1201	MICR 2 7/16"	BLACK	414196
1403	NYLON-OCR-B -1428-MOD.3 & (1	BLACK	414486
1403	NYLON-NON-READ 1230 MARKS & GP	PURPLE	419101
1403	POLYESTER	BLACK	424325
1403	NYLON-GP	BLACK	457937
1403	NYLON-OCR-B -MOD.3&N1 ALL SCANNERS	BLACK	1136430
1403	POLY-INTN	BLACK	1136917
1403	NYLON MP- -1230 & 1418 SCANNING MOD 1&2 1428 SCANNING	BLACK	1136940
1404	NYLON	BLACK	419031
1419	NYLON	PURPLE	413193
1443	NYL MOD.1- -&2 & N1	BLACK	414484
1443	NYL MOD.1- -&2 & N1	PURPLE	424814
1443	NYL MOD.1- -&2 & N1 GP	BLACK	424819
1445	REFER TO MACHINE 1443		
2222	NYLON GP	BLACK	1136906
2560	NYLON GP	BLACK	414484
2596	NYLON GP	BLACK	1136907
3203	NYLON GP	PURPLE	419101
3211	NYLON-OCR-B -070-100 LB OFFSET	BLACK	1136626
3211	NYLON-OCR-B -16-24 LB BOND	BLACK	1136627
3211	NYLON-GP	BLACK	1136954
3211	NYLON-MP	BLACK	1136964
3213	NYLON-GP	BLACK	1136970
3215	NYLON-GP- -BELOW S/N 12001	BLACK	1136906
3215	NYLON-GP- -ABOVE S/N 12001	BLACK	1136970
3270	REFER TO MACHINE 3213		
3284	REFER TO MACHINE 3213		
3284	REFER TO MACHINE-3213		
3286	REFER TO MACHINE 3213		
3288	NYLON-GP	BLACK	1136634
3525	NYLON-GP	BLACK	1136992
3657	NYLON-GP	BLACK	1136662
3715	NYLON-GP	BLACK	1136653
3881	NYLON SN	PURPLE	1136844
3886	NYLON-LINE -MARK FEATURE 9/16"	PURPLE	414499
3886	NYLON SN- -1 5/8"	BLACK	1136843
3886	NYLON SN- -1 5/8"	PURPLE	1136844
5028	NYLON-GP	BLACK	1136260
5203	NYLON-GP	BLACK	1136848
5203	NYLON-MP	BLACK	1136990
5213	NYLON- -MOD.1 BELOW S/N 12001 -MOD.2 BELOW S/N 21001 -MOD.3 BELOW S/N 31001	BLACK	1136906
5213	NYLON- -MOD.1 ABOVE S/N 12000 -MOD.2 ABOVE S/N 21000 -MOD.3 ABOVE S/N 31000	BLACK	1136970
5424	NYLON-GP	BLACK	1136907
5496	NYLON	BLACK	1136849
7431	NYLON-GP	BLACK	1136970

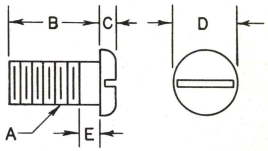
ABBREVIATIONS:
- GP - GENERAL PURPOSE
- MP - MULTI PURPOSE
- SN - SERIAL NUMBERING
- SS - SINGLE SPOOL

ALL RIBBONS MUST BE PURCHASED THRU IRD DIVISION

NOTES

BINDING SCREWS

A	B	C	D	E	PART NO.
2-56	.105	.053	.167	.035	358174
2-56	.125	.063	.181	.036	15887
2-56	.188	.046	.181	.036	186399
2-56	.250	.046	.181	.036	1141771
2-56	.312	.046	.181	.036	438539
2-56	.375	.046	.181	.036	438540
2-56	.500	.046	.181	.036	438542
2-56	.562	.046	.181	---	1159209
2-56	.625	.046	.181	.036	438543
2-56	.750	.046	.181	.036	438544
2-56	.875	.046	.181	.036	438545
2-56	1.250	.050	.181	.036	856319
3-48	.125	.054	.208	.041	186393
3-48	.188	.062	.152	.040	38228
3-48	.188	.054	.208	.041	186712
3-48	.250	.054	.208	.041	91373
3-48	.500	.054	.208	.041	175235
3-48	.562	.054	.208	.062	615922
4-40	.125	.063	.235	.012	138744
4-40	.125	.063	.235	.050	48594
4-40	.125	.063	.235	.050	1164578
4-40	.149	.063	.235	.050	1164584
4-40	.150	.063	.235	.050	603733
4-40	.156	.063	.281	.050	108114
4-40	.180	.063	.235	.050	475210D
4-40	.188	.063	.235	.050	438548
4-40	.188	.063	.235	.050	1164582
4-40	.219	.047	.187	---	731631
4-40	.250	.063	.235	.050	1164580
4-40	.250	.063	.235	---	251970
4-40	.250	.063	.234	---	5256498
4-40	.310	.063	.234	.030	5256497
4-40	.312	.063	.235	---	338238
4-40	.312	.063	.235	.050	804673C
4-40	.375	.063	.235	.050	236550
4-40	.438	.063	.235	.050	438549
4-40	.500	.063	.235	.050	438550
4-40	.500	.063	.235	.110	5356580C
4-40	.625	.063	.235	.050	438551
4-40	.750	.063	.235	.050	438552
4-40	.875	.063	.235	.050	438553
4-40	1.000	.063	.235	.050	438554
4-40	1.250	.063	.235	.050	438555
4-40	1.500	.063	.235	.050	438556
5-40	.125	.071	.263	.050	186636
5-40	.156	.071	.263	.050	196397
5-40	.156	.046	.260	.040	77064
5-40	.188	.071	.263	.050	196298
5-40	.281	.062	.250	.050	7040
5-40	.312	.094	.312	.050	155188
5-40	.312	.055	.188	.050	23854
5-40	.312	.071	.263	.050	196698
5-40	.344	.085	.201	.050	24759
5-40	.375	.071	.263	.050	120044
5-40	.422	.062	.250	.050	7039
5-40	.688	.071	.263	.060	237349
5-40	.812	.080	.201	.050	24915
6-32	.125	.080	.290	.062	438566
6-32	.156	.047	.375	---	179215
6-32	.156	.080	.290	.062	236848
6-32	.188	.080	.290	.062	475992C
6-32	.188	.080	.290	.062	55726
6-32	.188	.080	.290	.062	1117759
6-32	.218	.080	.290	.048	1115735
6-32	.219	.062	.125	.031	731626
6-32	.250	.080	.290	.063	1164576
6-32	.250	.080	.290	.062	10170
6-32	.250	.047	.250	.030	667481B
6-32	.250	.062	.250	.030	811421



A	B	C	D	E	PART NO.
6-32	.281	.062	.375	.031	343728
6-32	.281	.062	.187	---	23787
6-32	.310	.080	.281	.031	5256501
6-32	.312	.080	.290	.063	1164577
6-32	.312	.080	.290	.062	38235
6-32	.344	.062	.250	---	811426
6-32	.375	.080	.290	.062	1164579
6-32	.375	.080	.290	.062	322060
6-32	.375	.080	.290	.062	81693
6-32	.385	.040	.200	.094	483217
6-32	.437	.080	.290	.062	2157666
6-32	.500	.080	.290	.062	322550
6-32	.500	.063	.250	.031	5258857
6-32	.625	.080	.290	.062	322065
6-32	.750	.080	.290	.062	322551
6-32	.875	.080	.290	.062	322552
6-32	1.000	.062	.250	---	2218860C
6-32	1.000	.080	.200	.062	438567
6-32	1.125	.080	.290	.062	438568
6-32	1.188	.080	.290	.875	813112
6-32	1.250	.080	.290	.062	438569
6-32	1.500	.080	.290	.062	438570
6-32	2.000	.080	.290	.062	438572
6-32	2.500	.080	.290	.562	381002
6-40	.188	.080	.290	.050	63324
6-40	.688	.080	.290	.050	43525
6-40	.750	.080	.290	.062	2101197
8-32	.219	.062	.312	.031	2566610
8-32	.250	.094	.500	.062	141618
8-32	.250	.050	.255	.062	25625
8-32	.250	.097	.344	.062	58207
8-32	.250	.094	.343	.030	5256502
8-32	.281	.062	.312	.031	2566603
8-32	.281	.047	.250	.031	196299
8-32	.281	.106	.259	.062	23858
8-32	.312	.062	.250	.062	23087
8-32	.312	.097	.344	.062	186759
8-32	.312	.097	.259	.062	22568
8-32	.344	.062	.281	.031	381741
8-32	.375	.111	.259	.062	22812
8-32	.375	.097	.344	.062	314226C
8-32	.375	.067	.219	.062	23556
8-32	.375	.097	.344	.062	34512
8-32	.438	.097	.344	.062	186758
8-32	.453	.081	.236	.062	107468
8-32	.484	.062	.281	---	5394170
8-32	.500	.097	.344	.062	25627
8-32	.625	.097	.344	.062	5528
8-32	.750	.097	.344	.062	19944
8-32	.875	.097	.344	.062	438586
8-32	1.000	.097	.344	.062	321483
8-32	1.250	.097	.344	.062	438588
8-32	1.500	.097	.344	.062	438589
8-32	2.000	.097	.344	.062	438591
8-32	2.250	.097	.344	.031	438592
10-32	.250	.114	.399	---	159494
10-32	.187	.097	.344	.062	2155650B
10-32	.250	.114	.399	.062	236849

BINDING (CONTINUED)

A	B	C	D	E	PART NO
10-32	.281	.094	.375	.031	2244791C
10-32	.312	.114	.399	.062	28413
10-32	.344	.094	.375	.031	2575295
10-32	.375	.114	.399	.062	32042
10-32	.375	.120	.300	.062	10408
10-32	.380	.114	.399	---	5257231
10-32	.438	.114	.399	.062	32617
10-32	.500	.128	.307	.062	23956
10-32	.500	.114	.399	.062	332620
10-32	.500	.114	.399	---	5257232
10-32	.625	.114	.399	.062	55918
10-32	.719	.094	.375	.031	5488998
10-32	.750	.125	.302	.062	23557
10-32	.750	.114	.399	.062	5677

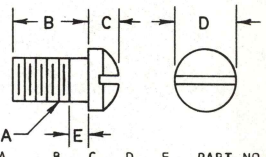
A	B	C	D	E	PART NO
10-32	.875	.114	.399	.062	438601
10-32	1.000	.114	.399	.062	507796
10-32	1.125	.114	.399	.062	10295
10-32	1.250	.114	.399	.062	322061
10-32	1.375	.114	.399	.062	322561
10-32	1.500	.114	.399	.062	438602
10-32	1.750	.114	.399	.062	106419
10-32	2.000	.114	.399	.062	322562
250-20	.250	.153	.525	.093	518704
0-20	.375	.153	.513	.100	438622
0-20	.438	.153	.513	.100	90261
0-20	.500	.153	.513	.100	322029
0-20	.625	.153	.513	.100	438623
250-20	2.000	.153	.513	.062	438628

NOTES
A-BRASS MATERIAL
B-NYLON MATERIAL
C-BLACK ANODIZED
D-LEFT THREAD

NOTES

FILLISTER

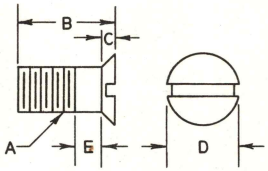
A	B	C	D	E	PART NO.
2-56	.156	.062	.156	.047	1124835
2-56	.188	.083	.140	.036	1856
2-56	.188	.077	.130	.008	2219154
2-56	.219	.063	.125	.031	5393541
2-56	.250	.083	.140	.036	203
2-56	.312	.083	.140	.036	38249
2-56	.437	.063	.125	.031	5131440
2-56	.500	.083	.140	.036	21636
2-56	.590	.083	.140	.278	311483
2-56	.750	.083	.140	.036	251283
2-56	.875	.083	.140	.036	438537
2-56	1.000	.083	.140	---	556741
3-48	.188	.095	.161	.041	250
3-48	.188	.062	.312	.041	25669
3-48	.250	.095	.161	.041	2560
3-48	.375	.095	.161	.041	122107
3-48	.437	.095	.161	.041	1090933
3-48	.625	.095	.161	.041	58284
3-48	.750	.095	.161	.041	52614
3-48	.875	.095	.161	.041	38256
4-40	.125	.107	.183	.050	38259
4-40	.149	.063	.235	.055	1127726
4-40	.187	.068	.235	.050	341216
4-40	.188	.107	.183	.050	38261
4-40	.250	.107	.183	.050	38262
4-40	.257	.040	.235	.025	1127745
4-40	.312	.107	.183	.050	38263
4-40	.375	.107	.183	.050	38264
4-40	.438	.107	.183	.050	38265
4-40	.500	.107	.183	.050	38266
4-40	.620	.079	.183	---	5258939
4-40	.625	.107	.156	.125	517276A
4-40	.625	.107	.183	.050	52523
4-40	.656	.094	.156	.060	1203311C
4-40	.750	.107	.183	.050	52359
4-40	.750	.063	.156	.031	2512118B
4-40	.875	.107	.183	.050	438546
4-40	1.000	.107	.183	.050	38269
4-40	1.250	.107	.183	.050	438547
5-40	.188	.106	.196	---	301094
5-40	.188	.120	.205	.050	38271
5-40	.281	.120	.205	.050	25530
5-40	.312	.120	.205	.050	3500
5-40	.375	.120	.205	.050	2629
5-40	.375	.120	.170	.050	219991
5-40	.500	.120	.205	.050	673
5-40	.562	.120	.205	.050	24019
5-40	.625	.120	.205	.050	1500
5-40	.750	.120	.205	.050	11118
5-40	1.000	.120	.205	.050	19501
5-40	1.188	.120	.205	.050	10289
6-32	.125	.132	.226	.062	38346
6-32	.187	.132	.226	.062	38348
6-32	.234	.105	.218	.031	1115736
6-32	.250	.132	.226	.062	38350
6-32	.250	.080	.290	.062	1141776C
6-32	.312	.132	.226	.062	38351
6-32	.375	.132	.226	.062	38352
6-32	.406	.063	.187	.016	25887
6-32	.438	.132	.226	.062	38353
6-32	.500	.132	.321	.062	1141180
6-32	.500	.132	.226	.062	38354
6-32	.500	.132	.226	---	5257234
6-32	.568	.088	.166	.219	1072474
6-32	.625	.132	.226	.062	5644
6-32	.750	.132	.226	.062	510379
6-32	.875	.132	.226	.062	38359
6-32	1.000	.094	.219	.031	818583
6-32	1.250	.132	.226	.062	438562



A	B	C	D	E	PART NO.
6-32	1.250	.132	.226	.062	438562
6-32	1.375	.132	.226	.062	601946
6-32	1.500	.132	.226	.062	438563
6-32	1.590	.132	.226	.062	528334
6-40	.250	.132	.226	.062	38281
6-40	.344	.094	.219	---	617324
6-40	.625	.094	.219	.344	5131941
6-40	.724	.132	.226	.053	607695
6-40	.875	.063	.187	.031	617326
8-32	.156	.156	.270	.062	38363
8-32	.188	.156	.270	.062	38364
8-32	.250	.078	.281	.062	1143273
8-32	.250	.156	.270	.062	2300
8-32	.312	.156	.270	.062	24752
8-32	.344	.156	.250	---	337546
8-32	.375	.156	.270	.062	337B
8-32	.500	.156	.312	.188	228372D
8-32	.500	.156	.270	.062	845
8-32	.560	.156	.270	---	5257243
8-32	.562	.156	.270	.062	38370
8-32	.688	.156	.270	.062	38372
8-32	.750	.156	.270	.062	641
8-32	1.000	.156	.270	.062	2384
8-32	1.125	.156	.270	.062	438579
8-32	1.125	.125	.250	---	346108
8-32	1.250	.156	.270	.062	38376
8-32	1.250	.156	.270	.062	52328A
8-32	1.625	.156	.270	.375	10340
8-32	1.875	.125	.250	---	52998
8-32	2.000	.156	.270	.062	438581
8-32	5.000	.156	.270	4.000	515718
10-32	.188	.180	.313	.062	38378
10-32	.250	.180	.313	.062	38380
10-32	.250	.123	.399	.094	631873
10-32	.375	.094	.562	.064	9458
10-32	.438	.180	.313	.062	38383
10-32	.500	.180	.313	.062	232
10-32	.625	.180	.313	.062	2994
10-32	.750	.180	.313	.062	358
10-32	.875	.180	.313	.062	38389
10-32	1.125	.180	.313	.062	38391
10-32	1.250	.094	.250	.594	667332B
10-32	1.250	.180	.313	.062	38392
10-32	1.500	.180	.313	.062	81142
10-32	1.750	.180	.313	.062	38393
10-32	2.250	.180	.313	.250	287502
10-32	2.500	.180	.313	.062	287504
10-32	2.625	.114	.399	.125	598714
10-32	2.750	.180	.313	.062	55240
10-32	2.750	.180	.310	.500	5728802
14-24	.562	.237	.414	.082	10300
14-24	.625	.237	.414	.082	305
14-24	.875	.237	.414	.082	10301
250-20	.500	.237	.414	.100	438613
250-20	.625	.216	.375	.100	255989
250-20	.875	.237	.414	.100	38418
250-20	2.000	.237	.414	.100	438617
250-24	.250	.125	.375	.063	133514

FLAT SCREWS

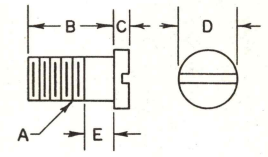
A	B	C	D	E	PART NO.
0-80	.172	.016	.078	.016	130813
0-80	.219	.035	.119	.028	368194
2-56	.125	.034	.172	.036	4224
2-56	.188	.051	.172	.036	38429
2-56	.250	.051	.172	.036	38710
2-56	.375	.051	.172	.036	438534
2-56	.500	.051	.172	.036	438536
3-48	.188	.059	.199	.041	1858
3-48	.250	.059	.199	.041	512269A
3-48	.438	.059	.199	.067	103199
3-48	.500	.059	.190	.041	324532
4-40	.188	.045	.225	.050	38432
4-40	.250	.067	.225	.050	38433
4-40	.312	.067	.225	.050	52522
4-40	.375	.067	.225	.050	472729
4-40	.438	.067	.225	.050	38434
4-40	.500	.067	.225	.050	438558
4-40	.562	.067	.225	.050	641591
4-40	.562	.067	.225	---	5257388
4-40	.750	.067	.225	.050	438559
4-40	.875	.067	.225	.050	38435
4-40	.875	.067	.225	.250	619950
4-40	1.000	.067	.225	.050	438560
4-40	1.063	.067	.225	.050	474541
5-40	.188	.050	.252	.050	1668
5-40	.250	.048	.219	.047	23947
5-40	.250	.062	.219	.031	244
5-40	.250	.075	.252	.050	10235A
5-40	.500	.075	.252	.050	2118
5-40	1.000	.075	.252	.050	1760
6-32	.188	.055	.279	.062	10291
6-32	.250	.083	.279	.062	38442
6-32	.250	.044	.219	.047	478394
6-32	.250	.047	.250	---	2181000C
6-32	.312	.094	.187	---	2157646C
6-32	.312	.083	.279	.062	38443
6-32	.375	.083	.279	.062	316807
6-32	.438	.083	.279	.062	438573
6-32	.500	.083	.279	.062	512508
6-32	.625	.083	.279	.062	38447
6-32	1.000	.083	.279	.062	438574



A	B	C	D	E	PART NO.
6-32	1.125	.083	.279	.062	438575
6-32	1.250	.083	.279	.062	438576
8-32	.188	.067	.332	.062	38450
8-32	.250	.067	.332	.062	38451
8-32	.375	.094	.312	---	207749
8-32	.375	.100	.332	.062	4636
8-32	.438	.100	.332	.062	228307C
8-32	.455	.045	.332	.017	603549
8-32	.500	.100	.332	.062	119
8-32	.625	.100	.332	.062	2179
8-32	.875	.100	.332	.062	3153
8-32	1.000	.100	.332	.062	109317
8-32	1.250	.100	.332	.062	21373
8-32	2.750	.100	.332	.062	45259
10-32	.312	.077	.385	.062	118615
10-32	.375	.116	.385	.062	99
10-32	.500	.116	.385	.062	25891
10-32	.500	.062	.344	---	2588874
10-32	.562	.116	.385	---	5312061
10-32	.625	.116	.385	.062	367
10-32	.750	.116	.385	.062	52580
10-32	1.000	.116	.385	.062	6286
10-32	1.500	.116	.385	.062	17978
10-32	2.000	.116	.385	.062	79222
250-20	.500	.153	.507	.100	186036
250-20	3.250	.153	.507	.125	2244875
250-28	.625	.275	.636	.150	255872
250-28	.625	.275	.636	.150	255873D

FLAT FILLISTER

A	B	C	D	E	PART NO.
1-64	.156	.031	.125	.031	847963
2-56	.094	.031	.156	.040	307759
2-56	.250	.046	.219	.062	257214
3-48	.141	.054	.208	.041	107168
3-48	.375	.047	.218	.063	228415
3-48	.500	.078	.187	.250	226733
4-40	.086	.070	.188	---	1091151
4-40	.125	.094	.125	---	5394592
4-40	.187	.063	.156	.031	5131444
4-40	.220	.045	.185	.025	1166363
4-40	.265	.060	.180	.047	1124084
4-40	.500	.063	.187	---	2152841B
4-40	.562	.068	.219	---	358173
5-40	.130	.031	.219	.010	305270
5-40	.156	.063	.250	.031	617337
5-40	.187	.031	.187	.031	5180767C
5-40	.190	.060	.234	.047	10476
5-40	.219	.050	.219	.047	1091229
5-40	.250	.040	.375	.047	22074
6-32	.250	.030	.250	.050	627869
6-32	.250	.062	.375	.050	367028
6-32	.297	.141	.312	.078	651039
6-32	.375	.047	.281	.060	2592487

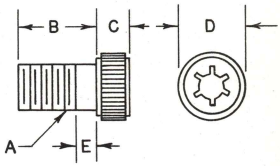


A	B	C	D	E	PART NO.
6-40	.625	.063	.219	.030	5393583
8-32	.141	.047	.250	.047	10819
8-32	.188	.187	.375	.031	53533378
8-32	.312	.080	.437	.060	889578
8-32	.325	.050	.312	.031	225859
8-32	.469	.050	.250	.031	25747
8-32	.500	.094	.344	.250	5180482
8-32	.625	.094	.312	.250	474671
10-32	.188	.050	.450	.047	128364D
10-32	.625	.219	.406	.312	805956
14-24	.688	.156	.387	.030	22356

SCREWS

FLUTED SOCKET

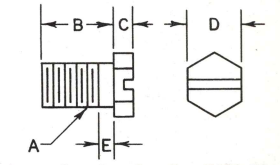
A	B	C	D	E	PART NO.
2-56	.156	.062	.125	.031	4254287
2-56	.375	.078	.125	---	963568
4-40	.125	.110	.183	.050	1128238
4-40	.312	.086	.180	.012	2219155
4-40	.375	.112	.183	.060	186924
4-40	.500	.112	.183	.050	357820
4-40	.625	.112	.183	.050	186925
4-40	.750	.112	.183	.060	186926
5-40	.250	.125	.205	.050	307728
5-40	.500	.094	.205	.062	310799
5-40	.625	.125	.205	.050	228348
6-32	.250	.138	.226	.072	186927
6-32	.375	.125	.187	.031	313663
6-32	.438	.138	.226	.062	1128280
6-32	.500	.138	.226	.062	251820
6-32	.625	.138	.226	.072	186928



A	B	C	D	E	PART NO.
6-32	.875	.138	.226	.110	186929
6-32	1.000	.138	.226	.224	186930
6-32	1.125	.138	.226	.500	649670

HEXAGON SCREWS

A	B	C	D	E	PART NO.
2-56	.188	.047	.188	.031	3828A
3-48	.203	.049	.187	.047	1100951
3-48	.250	.054	.187	.041	344505
3-48	.500	.095	.188	.041	600270
4-40	.125	.016	.250	.031	5996792
4-40	.187	.094	.187	.031	5131449
4-40	.187	.062	.187	.031	5354779
4-40	.190	.094	.250	.050	1128698
4-40	.220	.060	.188	.025	1166343
4-40	.250	.094	.187	.031	5393542
4-40	.250	.062	.187	.031	5393629
4-40	.312	.047	.187	.031	5393636
4-40	.375	.062	.187	.031	5354785
4-40	.406	.047	.156	.031	1159286C
4-40	.500	.060	.187	.050	363343
4-40	.760	.100	.188	.310	1171544
5-40	.187	.070	.187	.050	105334
5-40	.187	.062	.250	.031	79403
5-40	.188	.093	.250	.031	9820
5-40	.250	.094	.250	.040	325624
5-40	.250	.070	.187	.050	151633
5-40	.281	.094	.312	.031	586549
5-40	.312	.070	.187	.050	5061
5-40	.438	.070	.187	.050	108375
5-40	.562	.093	.219	.050	154473
5-40	.625	.070	.187	.050	11166
5-40	1.000	.070	.187	.250	289022
6-32	.187	.094	.250	.030	1147429
6-32	.219	.125	.187	---	1145479
6-32	.219	.031	.250	---	265195
6-32	.250	.094	.250	.062	314494
6-32	.281	.250	.250	.062	4254533
6-32	.312	.078	.250	.062	340191
6-32	.375	.110	.250	.062	344299
6-32	.380	.060	.310	.060	621467
6-32	.420	.130	.250	.062	35665
6-32	.500	.074	.247	.---	2100936
6-32	.500	.094	.188	.031	3816
6-40	.219	.062	.250	.060	5131681
6-40	.250	.062	.250	.031	5393607
6-40	.375	.050	.250	---	1093611
6-40	1.188	.062	.250	.062	5131450
8-32	.250	.094	.250	.---	5393565
8-32	.250	.110	.250	.062	130562
8-32	.266	.062	.250	---	5393648
8-32	.312	.062	.250	.031	640779
8-32	.312	.110	.312	.046	1074048
8-32	.312	.110	.250	.062	110775



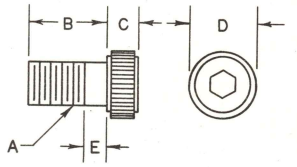
A	B	C	D	E	PART NO.
8-32	.812	.125	.312	.062	33370
8-32	.875	.110	.250	.062	308785
8-32	1.312	.125	.250	.688	257988
10-32	.312	.120	.312	.062	140425
10-32	.375	.120	.312	.062	130434
10-32	.437	.120	.312	.062	7327
10-32	.500	.120	.312	.062	619788
10-32	.500	.120	.312	---	5372858
10-32	.562	.120	.312	.062	55711
10-32	.625	.156	.312	.031	125985
10-32	.625	.120	.312	.062	257622
10-32	.688	.156	.312	.062	206459
10-32	.750	.120	.312	.062	101706
10-32	.875	.120	.312	.062	204617
10-32	.875	.187	.375	.062	475693
10-32	.875	.156	.312	.062	184792
10-32	1.000	.120	.312	.062	204616
10-32	1.125	.120	.312	.062	233166
10-32	1.188	.120	.312	.062	219620
10-32	1.250	.120	.312	---	250635
250-20	.312	.194	.438	.100	325626
250-20	.500	.125	.438	.060	5488922
250-20	.500	.163	.437	.125	38686
250-20	.625	.163	.437	.125	36844
250-20	.750	.250	.375	.100	169733
250-20	.750	.163	.437	.125	38688
250-20	1.000	.163	.437	.250	59647
250-20	1.500	.163	.437	.075	36112
250-20	1.750	.163	.437	1.000	59648
250-20	2.000	.163	.437	.060	59649
250-20	2.500	.153	.438	1.750	59652
250-28	.875	.156	.438	.060	345116
312-18	.500	.242	.500	.110	103423
312-18	.625	.242	.500	.110	25121
312-18	.875	.211	.500	.139	180072
312-18	1.000	.211	.500	.138	10303

HEXAGON SCREWS (CONT.)

8-32	.375	.094	.250	.031	5131939
8-32	.375	.093	.250	.031	10993
8-32	.375	.156	.313	.070	350765
8-32	.375	.110	.250	.062	1090024
8-32	.375	.047	.250	.031	2706578
8-32	.375	.110	.312	.062	1091035
8-32	.437	.110	.250	.062	77063
8-32	.500	.110	.250	.062	12954
8-32	.562	.110	.250	.062	113305
8-32	.688	.125	.312	.062	40084
312-18	1.250	.211	.500	.375	13482
312-18	1.750	.211	.500	.875	126522
312-18	2.500	.211	.500	1.625	186916
312-18	4.500	.156	.500	3.406	2218930
375-16	.500	.243	.562	.156	139395
375-16	.750	.243	.562	.156	4553
375-16	1.250	.120	.880	---	1176759
375-16	1.250	.243	.562	.250	38693
375-16	2.500	.250	.500	---	649899
750-10	1.500	.483	.999	.250	749055

HEXAGON SOCKET SCREWS

A	B	C	D	E	PART NO.
2-56	.125	.062	.127	.125	2501473
2-56	.375	.086	.140	.031	423033
2-56	1.000	.062	.125	.437	614790
4-40	.219	.047	.156	---	186923
4-40	.250	.094	.187	.031	2121458C
4-40	.438	.094	.187	---	358674
4-40	.438	.110	.183	---	2121464C
4-40	.562	.094	.187	.060	2161490
4-40	.750	.110	.183	---	2121469
6-32	.312	.136	.226	---	2121466
6-32	.375	.136	.226	---	2121460
6-32	.500	.125	.187	---	811417C
6-32	.625	.138	.226	---	350289C
6-32	.750	.138	.226	.062	355639
6-32	.875	.125	.281	.031	2181088
6-32	1.375	.125	.187	.375	2121578C
6-40	.625	.125	.187	.031	5131492C
8-32	.250	.164	.270	.063	1072433
8-32	.312	.164	.270	.062	204535
8-32	.500	.164	.265	.062	104613
8-32	.750	.164	.270	.094	226162
8-32	1.250	.164	.270	.312	332560
8-32	1.500	.164	.270	.672	186931
10-24	.812	.190	.312	.188	336696
10-32	.375	.190	.312	.062	75449
10-32	.500	.190	.313	.062	104763
10-32	.562	.190	.312	.062	475133
10-32	.625	.190	.312	.062	336363
10-32	.625	.190	.312	.062	437763
10-32	.750	.190	.312	.062	129654
10-32	.875	.190	.312	.078	856434C
10-32	.875	.190	.312	.100	186932



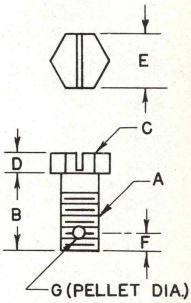
A	B	C	D	E	PART NO.
10-32	1.000	.190	.312	.215	149695
10-32	1.250	.190	.312	.465	186933
10-32	1.375	.187	.281	.281	2277444
10-32	1.500	.190	.312	.715	437530
10-32	1.750	.190	.312	.965	186952
10-32	2.000	.190	.312	1.115	186934
10-32	2.250	.190	.281	.062	2232561
250-20	.500	.250	.375	.100	127702
250-20	.875	.250	.375	.100	186935
250-20	1.000	.250	.375	.030	528328C
250-20	1.000	.250	.375	.100	149908
250-20	1.750	.250	.375	.750	149909
250-28	1.125	.250	.375	.500	526090
312-18	.750	.312	.469	.111	139153
312-18	1.000	.312	.469	.111	122740
312-18	1.250	.312	.469	.111	109366
312-18	2.500	.312	.469	1.125	455043
375-16	.750	.375	.562	.125	146327
375-16	1.750	.375	.562	.500	149922

NOTES
A-BRASS MATERIAL
B-NYLON MATERIAL
C-BLACK ANODIZED
D-LEFT THREAD

NOTES

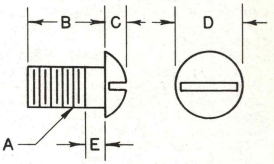
PATENT SCREWS

A	B	C	D	E	F	G	PART NO
2-56	.187	HEX SOC	.063	.125	.062	.020	639927
2-56	.500	HEX SOC	.086	.140	.063	.030	474809
3-48	.362	FL FILL	.060	.220	---	---	5754242
4-40	.192	HEXAGON	.068	.250	---	---	1166373
4-40	.250	FILSTER	.107	.183	.109	.062	612469
4-40	.260	HEXAGON	.062	.250	---	---	1166373
4-40	.375	BINDING	.062	.235	.109	.063	612470
4-40	.438	FLATSOC	---	.218	.093	.063	2155998
4-40	.625	BINDING	.031	.218	.062	---	614768
5-40	.500	HEXAGON	.094	.182	.125	.063	369265
6-32	.312	HEXAGON	.074	.187	.125	.080	344872
6-32	.360	HEXAGON	.085	.247	.120	.080	1160415
6-32	.375	FLU SOC	.138	.226	.109	.080	616116
6-32	.438	FILSTER	.125	.187	---	.125	2591685
6-32	.438	HEX SOC	.125	.187	---	---	2360142
6-32	.484	FILSTER	.125	.187	.060	---	2232555
6-32	.500	HEXAGON	.093	.250	.125	.078	209365
6-32	.500	HEXAGON	.062	.250	---	.030	250525
6-32	.625	FILSTER	.132	.226	.141	.080	336324
6-32	1.125	FILSTER	.132	.226	.172	.080	336331
8-32	.281	BINDING	.106	.259	.109	.078	336743
8-32	.312	BINDING	.097	.344	.125	.090	612779
8-32	.375	FILSTER	.156	.270	.125	.080	5311102
8-32	.500	BUTTON	.062	.312	.125	.062	2274753
8-32	.562	FILSTER	.156	.270	.203	.080	327861
10-32	.500	FLAT	.127	.411	.141	---	749089
10-32	.500	FLAT HX	.127	---	---	.062	855569
250-20	.750	HEXAGON	.140	.438	.200	.110	384799
250-20	.875	HEXAGON	.163	.438	.187	.109	603542
250-28	.500	FLAT	.143	.500	.141	.108	433453



ROUND SCREWS

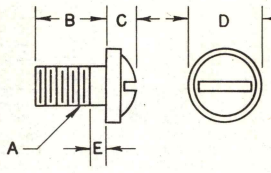
A	B	C	D	E	PART NO.
0-80	.220	.053	.113	.060	856065
0-80	.375	.031	.094	.031	856091
3-48	.188	.078	.187	.041	366
3-48	1.375	.078	.187	1.219	526998
4-40	.125	.086	.211	.050	38562
4-40	.250	.086	.211	.050	38565
4-40	.375	.086	.211	.050	52603
4-40	.438	.086	.211	.050	38566
4-40	1.250	.086	.211	.050	333182
5-40	.188	.095	.236	.050	18491
5-40	.250	.095	.236	.050	92
5-40	.375	.095	.236	.050	72
6-32	.125	.063	.188	.063	103895
6-32	.188	.103	.260	.062	38571
6-32	.219	.063	.219	.036	1942
6-32	.250	.080	.250	---	210984A
6-32	.375	.103	.260	.062	38574
6-32	.500	.091	.250	.062	801391B
6-32	.500	.103	.260	.062	1928
6-32	.625	.103	.260	.062	2596
6-32	.875	.062	.219	---	25597
6-32	1.250	.103	.260	.062	822762
6-32	2.250	.103	.260	.030	322555
8-32	.217	.078	.281	.031	306063
8-32	.250	.120	.309	.062	1413
8-32	.281	.094	.281	.031	424



A	B	C	D	E	PART NO.
8-32	.438	.120	.309	.062	1431
8-32	1.625	.120	.309	---	528608A
10-24	6.000	.137	.359	3.000	124704
10-32	.125	.136	.359	.062	11605
10-32	.250	.137	.359	.062	371
10-32	.500	.130	.344	---	480654B
10-32	.562	.137	.359	.062	784
10-32	1.000	.137	.359	.062	25894A
10-32	1.500	.137	.359	.062	1152
14-24	.500	.174	.472	.062	190
14-24	1.125	.174	.472	.062	1542
312-18	.750	.125	.483	.063	105282
312-18	1.000	.187	.500	.063	2199411

WASHER SCREWS

A	B	C	D	E	PART NO.
4-40	.250	.062	.250	---	38911A
4-40	.625	.109	.250	.050	194835A
5-40	.187	.109	.312	.050	75983
5-40	.281	.109	.312	.062	117191
5-40	.344	.109	.312	.050	173201
5-40	.469	.109	.312	.062	173202
5-40	.531	.109	.312	.062	173203
5-40	.625	.109	.312	.062	173205
5-40	.688	.109	.312	.062	173215
5-40	.719	.109	.312	.062	173206
5-40	.781	.109	.312	.062	173207
5-40	.906	.109	.312	.062	173209
5-40	.969	.109	.312	.062	173210
5-40	1.031	.109	.312	.062	173211
5-40	1.219	.109	.312	.062	173213

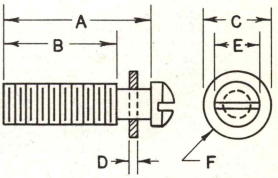


A	B	C	D	E	PART NO.
5-40	1.406	.109	.312	.062	173217
5-40	1.469	.109	.312	.062	173218

SCREW AND WASHER ASSEMBLY

SCREW TYPE
- A-FILLISTER
- B-HEXAGONAL
- C-PAN
- D-ROUND
- E-TRUSS
- F-HEX SOCKET

WASHER TYPE
- 1-FLAT
- 2-EXT.TOOTH
- 3-SPRING
- 4-INT.TOOTH



SIZE 4-40

A	B	C	D	E	F	PART NO	
.188	.168	.184	.020	.183	3	170104	A
.250	.230	.184	.020	.183	1	170150	A
.375	.355	.184	.020	.183	3	170158	A
.375	.350	.225	.025	.183	3	311640	A
.438	.418	.184	.020	.183	3	170159	A
.625	---	.184	.020	.183	3	170176	A
1.000	---	.184	.020	.183	3	170185	A

SIZE 5-40

.250	.230	.196	.020	.205	3	234302	A
.250	.232	.268	.018	.205	1	601741	A
.375	.355	.196	.020	.205	3	234305	A
.500	.425	.250	.025	.205	4	310358	A
.500	.425	.250	.050	.204	14	310359	A
.625	.532	.375	.045	.245	1	345974	C
.718	.643	.281	.025	.205	1	257274	A
.875	.855	.196	.020	.205	3	234311	A

SIZE 6-32

.250	---	.231	.031	.226	3	170213	A
.375	.297	.500	.050	.263	1	1164265	C
.375	.313	.312	---	.312	2	1141097	E
.437	---	.250	.020	.250	2	1174309	C
.500	---	.231	.031	.226	3	170226	A
.625	---	.231	.031	.226	3	170228	A
.750	---	.231	.031	.226	3	170241	A
1.051	.812	.312	.046	.226	1	1134841	F

SIZE 6-40

.187	.125	.281	.031	.281	1	5131630	B
.187	---	.281	.020	.250	4	5394198	B
.250	---	.250	.020	.250	4	5354802	A
.250	---	.281	.020	.250	4	5394201	B
.297	.204	.231	.031	.226	3	1104086	A
.312	---	.281	.020	.250	4	5394199	B
.375	.344	.281	.020	.250	4	5354803	B
.437	.375	.281	.020	.250	4	5394200	B
.625	---	.281	.020	.250	4	5394202	B

SIZE 8-32

.250	.230	.317	.020	.322	2	345815	C

A	B	C	D	E	F	PART NO	
SIZE 8-32							
.250	.250	.330	.020	.312	2	725411	B
.250	.188	.375	.042	.250	1	311642	B
.312	.281	.257	.031	.270	3	234317	A
.375	.344	.257	.031	.270	3	234318	A
.375	.250	.344	.031	.219	1	5131646	B
.406	---	.437	.030	.270	14	328928	A
.438	.407	.257	.031	.270	3	234319	A
.500	.469	.257	.031	.270	3	234320	A
.500	.480	.312	.020	.312	2	1133767	B
.625	.594	.257	.031	.270	3	234321	A
.750	.656	.250	.062	.250	13	612996	A
.750	.656	.312	.062	.250	13	311641	A
.875	.844	.257	.031	.270	3	234322	A
1.250	---	.257	.031	.270	3	170351	A
SIZE 10-32							
.312	.272	.297	.040	.313	3	234328	A
.312	.312	.390	.020	.312	2	725413	B
.375	.250	.562	.031	.312	1	2360244	A
.437	.343	.312	.047	.312	3	257616	B
.438	.398	.297	.040	.313	3	234330	A
.465	.465	.630	.035	.312	3	637733	B
.500	.460	.297	.040	.313	3	234331	A
.625	.585	.297	.040	.313	3	234332	A
.750	.710	.297	.040	.313	3	234333	A
1.500	1.460	.297	.040	.313	3	234337	A
SIZE 250-20							
.275	.275	.562	.060	.438	1	602607	B
.500	.438	.464	.062	.438	3	234340	B
.625	.563	.562	.062	.438	1	528002	B
.625	.563	.464	.062	.438	3	234341	B
.750	.688	.562	.050	.437	1	351025	B
.750	.688	.464	.062	.438	3	234342	B
1.000	.938	.464	.062	.438	3	234344	B
1.250	1.188	.464	.062	.438	3	234345	B
1.500	---	.464	.062	.375	3	170530	B
1.750	---	.464	.062	.375	3	171030	B

OVAL SCREWS

A	B	C	D	E	PART NO
0-80	.168	.035	.119	.043	114549
4-40	.219	.062	.187	---	2103664
5-40	.312	.116	.252	.050	7034
6-32	.375	.128	.279	.062	53287A
10-32	.188	.120	.385	---	10729

BUTTON SCREWS

A	B	C	D	E	PART NO
4-40	.375	.055	.207	.065	612933
5-40	.625	.047	.219	.031	640256
6-32	.250	.054	.234	.046	364816
6-32	.375	.073	.262	---	556689

TRUSS SCREWS

A	B	C	D	E	PART NO
5-40	.188	.078	.289	.050	155176
5-40	.250	.078	.289	.050	155180
6-25	.625	.078	.289	.050	186198
8-32	.250	.102	.384	.062	42003
8-32	.375	.102	.384	.062	179254
10-32	.375	.118	.448	.062	186605

HEXAGON WASHER SCREWS

A	B	C	D	E	PART NO
6-32	.250	.094	.312	.062	740501
6-32	.344	.094	.312	.031	2588873C
6-32	.344	.094	.312	.031	2181005
6-32	1.000	.094	.312	.125	2588872C
8-32	.250	.125	.344	.031	5350012C
8-32	.344	.187	.312	.031	813706
8-32	.406	.125	.312	---	2181012
8-32	.875	.125	.312	.031	2181253

FLAT HEX SOCKET SCREWS

A	B	C	D	E	PART NO.
4-40	.375	.083	.255	.034	5382102C
4-40	.625	.062	.219	---	2513170
8-32	.375	.094	.312	---	889912
250-20	1.500	.156	.484	.156	749091

SQUARE SCREWS

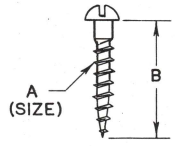
A	B	C	D	E	PART NO.
250-20	5000	.156	.363	.250	322581

NOTES
A-BRASS MATERIAL
B-NYLON MATERIAL
C-BLACK ANODIZED
D-LEFT THREAD

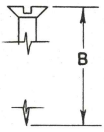
WOOD SCREWS

	A	B	PART NO
AA	4	.500	38604
AA	6	.750	38616
AA	8	.625	38623
AA	8	1.000	5403997
AA	10	.875	38638
BB	2	.500	313671
BB	8	.625	38495
BB	8	.750	132155
BB	10	1.500	339165

TYPE AA



TYPE BB

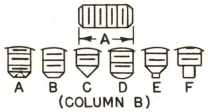


NOTES

SET SCREWS

TYPE OF DRIVE (COLUMN C)
A-HEXAGON
B-4 FLUTE
C-6 FLUTE
D-BLADE

* HAS NYLON PELLET/INSERT



A	B	C	PART NO
THREAD 2-56			
.062	B	C	749271
.093	D	C	2133124
.125	A	B	2232255
.156	A	C	1128837
.156	D	C	1124836
THREAD 3-48			
.130	A	C	1123828
.188	C	D	25486
THREAD 4-40			
.094	A	C	74530
.094	A	C	2133055
.125	C	C	316744
.125	A	C	5393889
.125	B	C	257956
.125	A	C	257957
.125	A	C	1175101
.156	B	C	806811*
.156	C	C	2239007
.180	A	C	1166342
.187	A	C	304661
.187	A	C	1175106
.187	C	C	839412
.187	B	C	1175102
.187	A	C	1092177
.188	B	C	257958
.188	A	C	257959
.188	D	C	382176*
.250	A	C	257961
.250	B	A	640678
.250	B	A	639750
.250	B	C	328833*
.250	B	C	257960
.312	A	C	257963
.312	B	C	257962
.312	B	C	223596*
.312	D	C	1141071
.375	B	C	257964
.375	A	C	257965
.375	D	C	1132098
.500	D	C	1141072
.500	B	C	257966
.625	B	C	1141215
.750	D	C	2161341
THREAD 5-40			
.094	A	C	344210
.125	C	C	72670
.125	B	B	23857
.125	D	C	133798
.125	A	C	165556
.188	A	C	75533
.188	D	B	160942
.188	B	C	22797
.190	B	C	362198*
.250	C	B	114833
.250	D	C	101017
.312	B	C	19958
.375	B	C	205569
.438	D	C	6898
.438	B	B	205546

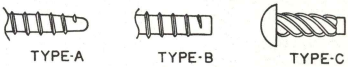
A	B	C	PART NO
THREAD 5-40			
.812	F	D	5404398
1.000	B	C	5462565
THREAD 6-32			
.094	A	C	637000
.125	B	C	257968
.125	A	C	257969
.125	A	C	328815*
.125	D	C	53208
.125	A	A	1236522
.187	A	C	1100523
.188	A	C	1145492
.188	B	C	1073462
.188	A	C	328816*
.250	C	B	608214
.250	B	C	257970
.250	A	C	257971
.281	D	C	336359
.281	B	C	328817*
.312	B	C	257972
.312	A	C	257973
.312	A	C	209077*
.312	B	A	853633
.312	B	C	251446*
.312	B	C	444912*
.375	D	C	475324*
.375	B	C	257974
.375	A	C	257975
.375	A	A	5257382
.375	A	C	1175105
.500	C	C	5311105*
.500	B	C	257976
.500	A	C	257977
.500	C	C	2207592*
.625	A	C	1187222
.625	A	C	257979
.718	D	C	638054
.750	B	C	257980
.750	A	C	257981
THREAD 6-40			
.187	A	C	1077919
THREAD 8-32			
.125	A	C	173937
.125	B	C	123639
.187	B	C	311545*
.188	B	C	121521
.188	C	C	1146669
.188	A	C	151720
.250	A	C	249080
.250	D	C	477037*
.250	A	A	1979127*
.250	B	C	81404
.250	A	C	442033*
.250	B	C	338013*
.250	C	C	55298
.312	B	C	135341
.344	D	C	2181099*
.375	A	C	2162579*
.375	A	C	79842
.375	B	C	83417

A	B	C	PART NO
THREAD 8-32			
.680	B	D	475307
.750	F	D	612489
.750	D	C	807264*
.750	D	C	128543
1.000	B	C	314372
THREAD 8-32 NYLON			
1.000	B	C	2162522
THREAD 8-40			
.125	A	C	1076796
.172	A	C	1090620
THREAD 10-32			
.125	B	C	15004
.188	A	C	442147*
.188	A	C	123780
.188	B	C	195
.250	A	C	5331388*
.250	B	C	362130*
.250	B	C	182
.312	A	C	186635
.312	C	C	6855
.312	B	A	853628*
.375	A	C	365337*
.375	D	A	311167*
.375	B	C	251990
.375	A	C	146730
.380	B	C	473842*
.438	D	C	26028
.500	A	C	134986
.562	D	C	3984
.875	D	C	58865
.875	F	C	221724
1.000	D	C	184187
1.062	C	D	2595718
2.000	B	C	128346
THREAD 14-24			
.562	D	C	135927
THREAD 250-20			
.250	A	A	59557
.312	B	A	26380
.375	D	A	610148*
.375	B	A	473858*
.438	B	A	129365
.625	D	A	128181
.625	F	A	333005
.625	F	A	150796*
.750	A	A	257323
1.000	B	A	75717
1.687	B	D	5371618
THREAD 250-28			
.781	F	A	7027418
THREAD 312-18			
.312	B	A	6478
.500	A	A	311825*
.750	B	A	161417
THREAD 375-16			

SELF TAPPING SCREWS

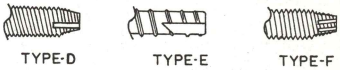
A-SCREW TYPE
B-THREAD SIZE
C-LENGTH
D-HEAD STYLE

TYPE AA —— ASA THREAD FORMING



TYPE-A TYPE-B TYPE-C

TYPE BB —— ASA THREAD CUTTING



TYPE-D TYPE-E TYPE-F

TYPE AA

A	B	C	D	PART NO
C	0	.250	ROUND	3350
C	00	.188	ROUND	1090623
B	4-24	.500	PAN	198363
A	4-24	.594	PAN PHL	2199432
B	4-24	.625	PAN	315955

A	B	C	D	PART NO
A	6-18	.375	PAN	185052
B	6-20	.312	FLAT	209184
B	8-18	.500	PAN	223779
B	8-18	.500	"/WHSR	
B	10-16	.500	PAN	

TYPE BB

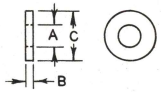
A	B	C	D	PART NO
E	4-24	.250	ROUND	124222
F	4-40	.188	PAN	67873
F	4-40	.375	PAN	112628
F	4-40	.375	FLAT	236529
F	4-40	.500	PAN	244055
D	4-40	.875	PAN	122379
F	6-32	.250	PAN	70078
F	6-32	.250	PAN	474423
F	6-32	.312	PAN	79778
F	6-32	.375	PAN	80651
F	6-32	.500	PAN	91610

A	B	C	D	PART NO
F	6-32	.500	PAN	91610
F	6-32	.625	PAN	80652
F	8-32	.250	PAN	183900
F	8-32	.375	PAN	601093
E	8-32	.625	HEXAGON	5131629*
E	8-32	.999	HEXAGON	5394196*
F	10-32	.312	PAN	83606
F	10-32	.344	PAN	7035686
F	10-32	.500	HEX	2125733
F	10-32	.500	"/WHSR	177396

*-WITH LOCK WASHER

SHIMS - WASHER TYPE

A	B	C	PART NO
.102	.015	.312	1090630
.125	.016	.312	45640
.125	.020	.312	45639
.126	.050	.250	1164335
.126	.010	.375	126195
.127	.004	.250	121397
.128	.002	.380	852933
.128	.005	.370	150331
.128	.010	.250	49901
.136	.003	.375	305271
.149	.003	.312	528369*
.155	.010	.312	1090394
.161	.004	.250	143195
.170	.001	.265	805069
.173	.003	.310	350650
.187	.010	.375	16271
.188	.001	.312	556616*
.218	.002	.343	5356149
.218	.003	.343	5356148
.218	.005	.343	5356147
.251	.010	.438	602074
.257	.001	.375	351044
.257	.003	.375	351043
.312	.008	.500	45685*



A	B	C	PART NO
.314	.005	.438	1091517
.315	.003	.562	151200
.315	.005	.562	139929
.375	.002	.625	344057
.472	.002	.625	383910*
.472	.003	.625	383911*
.472	.005	.625	383912*
.500	.002	.800	556697*
.500	.003	.800	556698*
.500	.010	.800	556699*
.502	.010	1.062	602050
.792	.002	1.188	307559
.792	.005	1.188	307560
.813	.010	1.250	233154

NOTE: * BRASS MATERIAL

SCOPE ACCESSORIES

PROBE 454A - TEKTRONIX NO. P6054

PART NO.	DESCRIPTION
5500899	HOLDER
5500750	HOOD
5500900	LEAD,GROUND 5 IN.
5500902	LEAD,GROUND 3 IN.
453675	PROBE (10X1)
5500903	PROBE,CURRENT 9 FT. (P6022)
5500898	TIP,RETRACTABLE-SLIP ON

PROBE 453/454 TEKTRONIX NO.P6011

PART NO.	DESCRIPTION
453179	HOLDER
453201	HOOD
453168	LEAD,GROUND 5 IN.
461092	LEAD,GROUND 12 IN.
453161	PROBE (X1)
453181	TIP,RETRACTABLE-SLIP ON

PROBE ACCESSORIES

PART NO.	DESCRIPTION
453164	ADAPTER P6010 TO 6-32
450837	ADAPTER UHF TO BNC
53180	CAP, PROBE TIP PROTECTOR
453194	CORD,POWER-TYPE 453
453183	POUCH,ACCESSORIES

PART NO.	DESCRIPTION
453888	PROBE TIP MST
53601	PROBE SLT (700 NS)
5213426	PROBE SLT LAMP (700 NS)
453652	PROBE SLT (100 NS)
2 17890	PROBE SLT LAMP (100 NS)
817971	PROBE SYSTEM 3
454612	PROBE SYSTEM 3 LAMP
453548	PROBE P6034 SAMPLE SWEEP 561
451659	TIP, BANANA
453167	TIP, GROUND SLT
461090	TIP,HOOK
461119	TIPLETT, SMS (SMALL OPENING)
461118	TIPLETT, SMS (LARGE OPENING)

NOTES

SMS,SLT,MST

DESCRIPTION	PART NO
BELLY DANCER/QUICK DISC.	" 313390 20-22 AWG
BELLY DANCER SMS	" 596255
CONTACT STRIPS,CAP CUT	P/N 216259 QTY 1=1 STRIP (17)
JUMPER & SLEEVE ASM.	" 5159491 QTY-1=12 (SLT & MST)
JUMPER FORK TYPE,GOLD-SLT	" 815924
JUMPER ROUND TYPE,GLD-SLT	" 811824
JUMPER WIRE,SLT 6"	" 829117
JUMPER WIRE,SLT 18"	" 829118
JUMPER WIRE,SLT 36"	" 4110718 CUT TO SIZE
JUMPER WIRE,SMS 3"	" 629264
JUMPER WIRE,SMS 6"	" 629265
JUMPER WIRE,SMS 8"	" 629266
JUMPER WIRE,SMS 12"	" 629263
JUMPER WIRE,SMS 14"	" 629267
JUMPER WIRE,SMS 18"	" 2129264
JUMPER WIRE,SMS 24"	" 451654
JUMPER WIRE,SMS 60"	" 451655
SLT GUIDE	" 811802 6 PACK
SLT GUIDE	" 811803 12 PACK
SLT CARD EXTENDER	" 811363 6 PACK
SLT CARD EXTENDER	" 811364 12 PACK
SLT CD SHROUD-6 MODULE	" 811304
SLT CD SHROUD-12 MODULE	" 811305
SLT CD SHROUD-24 MODULE	" 817329
SLT DUMMY CARD	811064
SMS DUMMY CARD	" 598081
SLT PADDLE CARD	" 5800634
SMS PADDLE CARD	" 491349
SLT PIN-BELLY DANCER	" 815934
SLT SLEEVE	" 216309
SLT Y JUMPER 6INCH	" 1770810

NOTES

SPECIAL ITEMS
(CONTACT YOUR MANAGER)

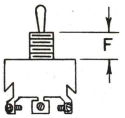
DESCRIPTION	MACH. TYPE	PART NO	STOCKING LOCATION
ALIGNMENT TOOL CARRIAGE	3330	2200640	591,592,593,594,595,597
CHERRY PICKER(HOIST)	7094	461124	591,595
CLOCK WRITER	1301 2302	2108620	591,592,593,594,595
CLOCK TRACK WRITER	1301 2302	2200180	591,593,595
CRIMPING TOOL KIT	2260 2848	5756338	591,592,593,594,595
DISK REPLACEMENT KIT	1301 2302	2108433	591,592,593,594,595
DRUM HOIST	2301 2303	2200177	593
GAUGE	2415	453804	593
GAUGE	2415	453807	593
HOIST ASSEMBLY	1301 2302	2108247	591,592,593,594,595
HOIST ASSEMBLY	7320	5246449	591,593
HYDRAULIC LIFTER	3155	5489168	591,592,593,594,595
LEAK DETECTOR	2301 2303	2200193	591,592,593,594,595
MOBILE SUPPORT ASM.	2680	2511517	593
MOTOR GENERATOR	7608	352985	591,593,595
MOTOR GENERATOR	7802	352455	593
MOTOR GENERATOR	7802A	596329	591,593,595
MOTOR GENERATOR	7802A	596523	591,593,595
MOTOR INSTALLATION TOOL	2305	2286551	591,595
NITROGEN CYLINDER		5476490	595
PUNCH TOOL		766127	595
SCANNER ASSEMBLY	1418 1428	488276	593,595
SIDE FRAME KIT	1403 1404	5065350	595
SLED (AREA TOOL)		--------	593,595
SLIDE CHANGE TOOL		2200816	591,595
SPRAY KIT	2301 2303	2200192	591,592,593,594,595
TAPE TRANSPORT	2987-17	5502775	591,593,595

591--NEW YORK DISTRIBTION CENTER
592--ATLANTA DISTRIBUTION CENTER
593--CHICAGO DISTRIBUTION CENTER
594--DALLAS DISTRIBTION CENTER
595--LOS ANGELES DISTRIBTION CENTER
597--SAN FRANCISCO DISTRIBTION CENTER

NOTES

SWITCHES TOGGLE
NECK MOUNTED

LEGEND
A-POLE ACTION
B-AC CURRENT/VOLTAGE
C-DC CURRENT/VOLTAGE
D-TERMINALS * GOLD
E-TOGGLE TYPE
F-NECK LENGTH



DPDT

A	B	C	D	E	F	PART NO
MOMENTARY	15/125	---	SCREWS	---	.344	608279
---	6/125	6/125	LUGS	---	.344	263296
N/C	15/125	2/ 50	SCREWS	---	.344	342131
---	6/125	6/125	LUGS	---	.406	322310
MOMENTARY	3/125	1/250	LUGS	---	.406	479321
---	3/125	.1/ 20	LUGS	---	.410	760656
MOMENTARY	1/125	---	SLIPON	MS-BLK	.438	5129273
---	1/125	---	SLIPON	MS-BLK	.438	483523
---	6/125	3/250	SLIPON	MS-BLK	.438	734879
---	20/125	---	WIR/SC	MS	.438	5214428
MOM-N/C	6/125	3/250	SLIPON	MS-RED	.438	5252633
---	3/125	1/250	SLIPON	---	.438	5420118
MOM-C/OFF	3/115	1/ 48	SCREWS	---	.438	770631
---	15/115	---	SCREWS	---	.469	2114052
---	6/125	6/125	LUGS	---	.469	532725
MOM-C/OFF	3/115	1/ 48	SCREWS	---	.469	246577
---	3/125	3/125	SLIPON	---	.470	5423912
MOM-C/OFF	15/125	10/250	LUGS	---	.470	761335
MOMENTARY	3/125	08/ 20	SLIPON	---	.470	5420117
CENTR OFF	6/125	---	LUGS	MS BLK	.470	382297
CENTR OFF	15/125	---	SCREWS	---	.470	81779
MOM-C/OFF	6/125	---	LUGS	---	.493	532675
---	1/125	1/125	SLIPON	MS BLK	.493	738827*
---	3/125	3/125	LUGS	MS BLK	.493	2184150
MOMENTARY	1/125	1/125	SLIPON	MS BLK	.493	738829*
MOMENTARY	02/020	02/ 20	LUGS	MS WHT	.493	839529
MOMENTARY	3/125	1/250	LUGS	MS BLK	.493	725348
MOMENTARY	3/125	1/250	SLIPON	MS WHT	.500	2495485
MOMENTARY	1/125	3/ 30	SLIPON	---	.500	2218908
MOM-C/OFF	6/125	---	LUGS	MS BLK	.520	5270182
---	6/125	3/250	LUGS	MS BLK	.520	362831
---	6/125	---	SCREWS	---	.625	206718
---	6/125	6/125	WIRES	---	.812	338542
---	.1/110	.2/048	LUGS	MS	1000	363420
---	6/125	3/250	SCREWS	MS	1000	336455
---	16/125	---	SCREWS	---	1000	805023
---	6/125	6/125	SCREWS	THREAD	1000	589008

DPST

A	B	C	D	E	F	PART NO
---	6/125	3/250	SCREWS	---	.375	313246
N/O	6/125	3/250	WIRES	---	.406	301214
MOM-N/O	6/125	3/250	SCREWS	---	.406	206775
MOM-N/O	12/125	---	SCREWS	---	.438	2111140
N/O	6/125	3/250	SLIPON	MS-BLK	.438	5404423
MOM-N/O	15/125	---	SCREWS	MS	.469	254477
N/O	12/125	8/250	SCREWS	---	.469	804707
N/O	20/250	---	SCREWS	MS	.469	477424
MOM-N/O	15/125	---	LEADS	MS.375	.470	5367176
MOM-N/O	20/250	---	SCREWS	MS.250	.470	5353498*
N/O	20/250	---	SCREWS	MS.375	.470	731506
N/O	6/125	3/250	LEADS	MS RED	.520	735435
---	15/125	10/250	QK CON	MS RED	.530	421497
MOM-N/O	20/250	20/250	SCREWS	MS.875	.547	109872
N/O	20/125	20/125	SCREWS	MS.375	.550	628476

SPDT

A	B	C	D	E	F	PART NO
---	3/125	---	SLIPON	---	.437	479319*
MOM-N/C	3/125	1/250	SLIPON	---	.437	479320*
A	B	C	D	E	F	PART NO
---	3/125	---	SLIPON	MS BLK	.438	5754501
CENTR OFF	1/125.75/250		SLIPON	MS BLK	.438	734878
---	6/125	3/250	SLIPON	MS BLK	.468	5447682
MOM C/OFF	10/250	---	SCREWS	---	.468	440194
---	3/125	1/250	LUGS	---	.469	532461
---	3/125	1/250	SLIPON	---	.470	5420116
---	3/125	---	SLIPON	MS WHT	.493	741349
---	3/125	1/250	LUGS	MS BLK	.493	725347
MOMENTARY	3/125	1/250	SLIPON	MS BLK	.493	725349
---	3/125	---	SLIPON	MS BLK	.493	738826
MOM N/C	3/125	---	SLIPON	MS BLK	.493	738828
CENTR OFF	6/125	3/250	LUGS	MS BLK	.493	2183494*
---	3/125	1/250	SLIPON	MS WHT	.531	1166086*
---	6/125	1/250	SCREWS	MS.500	1000	336480

SPST

A	B	C	D	E	F	PART NO
MOM N/C	---	.5/ 50	SCREWS	---	.344	601433
MOM N/C	6/125	3/250	SCREWS	THREAD	.375	364421
MOM N/C	3/125	1/250	SCREWS	---	.391	134714
N/O	3/250	3/250	LUGS	---	.406	227523
MOM N/O	3/125	1/250	SLIPON	---	.437	479322*
N/O	1/125	1/125	SLIPON	---	.437	479318*
---	6/125	3/250	SLIPON	MS BLK	.468	5447685
MOMENTARY	6/125	3/250	SLIPON	MS BLK	.468	5447686
N/O	15/125	10/250	SCREWS	---	.469	805024
MOM N/O	15/125	10/250	SCREWS	---	.469	340517
N/O	3/125	---	SLIPON	MS BLK	.493	738825*
MOM N/O	6/125	---	LUGS	---	.563	2103060
MOM N/O	6/125	3/250	SCREWS	MS	1000	364243

4PDT

---	6/125	3/250	SLIPON	MS WHT	.438	2588070

4PST

N/O	15/250	0/ 30	SCREWS	MS RED	.500	846371

3PDT

	16/125	10/250	SCREWS	MS RED	.500	5182371

3PST

N/O	15/125	---	SCREWS	MS	.530	631626

DP3T

---	1/ 20	---	SLIPON	MS BLK	.438	963589

MICRO - PRECISION TYPE TOGGLE

LEGEND
A-POLE AND ACTION
B-MANUFACTURE'S NO.

A	B	PART NO	A	B	PART NO
SPDT	6AT319-T2	5270314	DPDT	6AT13-T2	368164
SPDT	6AT1	532167	DPDT	6AT4	532428
DPDT	6A771-T2	5270315	SPDT	11TS123-3	339036

PRECISION TYPE TOGGLE

SPDT

A	B	C	D	E	F	PART NO
MOMENTARY	3/125	---	SLIPON	MS BLK	.493	737995
CENTR OFF	1/125	.7/250	SLIPON	MS BLK	.500	734878
CENTR OFF	1/125	.7/250	SLIPON	MS BLK	.500	734886
MOM C/OFF	1/125	.7/250	SLIPON	MS RED	.500	830237

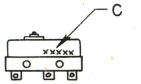
DPDT

A	B	C	D	E	F	PART NO
---	6/125	3/250	SLIPON MS	RED	.493	835273
---	6/125	3/250	SLIPON MS	BLK	.493	734879
---	1/125	.7/250	SLIPON MS	BLK	.500	737901
CENTR OFF	1/125	.7/250	SLIPON MS	BLK	.500	737616
MOM C/OFF	1/125	.7/250	SLIPON MS	BLK	.500	483531
CENTR OFF	1/125	.7/250	SLIPON MS	BLK	.500	483523

ABBREVIATIONS C/OFF-CENTER OFF
MOM -MOMENTARY
N/O -NORMALLY OPEN
N/C -NORMALLY CLOSED

SWITCHES PRECISION (MICRO)

AA-PIN OR PLUNGER
BB-LEVER ACTUATED
CC-LEVER AND ROLLER
DD-DOOR INTERLOCK



LEGEND
A-TYPE OF TERMINAL
B-CONTACT DATA
C-MANUFACTURE'S NO.

TYPE AA - SPDT (POLE & ACTION)

A	B	C	PART NO
SOLDR	TRFR	1PB262-T2	551687
SOLDR	TRFR	1PB623	577939
SOLDR	TRFR	1CMD1-2AXX	512054
SOLDR	TRFR	1SM1	355343
SLPON	TRFR	1SX1-T/2SX1-T	1177298
SOLDR	TRFR	2CMD1-2AXX	65266
SCREW	TRFR	2D70	479310
SLPON	TRFR	2D113	* 725345
SOLDR	TRFR	2D189	1166031
WIRE	TRFR	V3-1162-D8	2773219
SOLDR	TRFR	2LM-E	355343
SOLDR	TRFR	2MD3-1A	736537
SOLDR	TRFR	3SX1-T	667535
SOLDR	TRFR	11SM1	528324
WIRE	TRFR	11SM1	5447705
SOLDR	TRFR	11SM1-H58	2286084
SOLDR	TRFR	11SM23	*2129508
SOLDR	TRFR	11SM23-H2	*5214540
SLPON	TRFR	11SM23-T2	* 808369
SOLDR	TRFR	16-404	1133743
SOLDR	TRFR	268-207-00	736998
SCREW	TRFR	BZ-2RS72-A2	365259
SCREW	TRFR	BZ-2RW84384-A2	238364
SCREW	TRFR	BZ-2RS72-A2	365259
SCREW	TRFR	VR-1	441162
SCREW	TRFR	V3-26	5212566
SCREW	N/C	V3-75	2175849
SCREW	TRFR	V3-101	228093
SOLDR	TRFR	V3-179-8	2162551
SCREW	TRFR	V3-601	615878
SOLDR	TRFR	V3-1035-D8	1177305
SOLDR	TRFR	V3-1075-D8	2311369
QK CN	TRFR	V3-1102-D8	829728

TYPE AA

A	B	C	PART NO
SOLDR	TRFR	V3-1162-D8	2592485
WIRE	TRFR	V3-1162-D8	2773202
	WIRES	YELLOW &BLACK	2773202
SOLDR	TRFR	V3-2006-D8	856314
QK CN	TRFR	V3-3001-D8	5153817
SOLDR	TRFR	V42T7GP	2426331
SCREW	TRFR	XD4-1A	206935

TYPE AA - SPST

A	B	C	PART NO
SOLDR	N/O	23-176001	5252566
SOLDR	N/O	206-0029-01	212933
SOLDR	N/O	3CMC1-2AXX	212933
SOLDR	N/O	E13-43A	1132521
SOLDR	N/O	V3-1054	5252566
SLPON	N/C	WZ-RSX	307683

TYPE AA - DPDT/3PDT/4PST

A	B	C	PART NO
SLPON	TRFR	2D2	719551
SLPON	TRFR	2D5 (3PDT)	613387
SLPON	TRFR	2D25	552328
SCREW	TRFR	2D72	481103
SLPON	TRFR	2D188	1166030
SOLDR	TRFR	2MD2-1A-A14	253267
SLPON	TRFR	2PB358-T2(3PDT	609457
SOLDR	TRFR	2SJ4-20	368433
SLPON	TRFR	3PB358-T2	609458
SCREW	TRFR	DT-2R-A7	315949
SLPON	TRFR	2D33 (4PDT)	760664

TYPE BB - SPDT

A	B	C	PART NO
SOLDR	TRFR	1CMD1-2AXXA22	1230016
SOLDR	TRFR	1CMD1-3NXX	619864
SOLDR	TRFR	111SM17	2471669
SCREW	TRFR	2HBT722A-1	736982
SOLDR	TRFR	207-0029-00	1135639
SOLDR	TRFR	207-2468-00	5168782
SOLDR	TRFR	268-207-00	399039
SLPON	TRFR	311SM1-T	681123
SLPON	TRFR	311SM2-H58	5462502
SLPON	TRFR	311SM24-H58	5404377
SLPON	TRFR	311SM43-N58	5214866
SLPON	TRFR	311SM47-58	5462504
SOLDR	TRFR	311SM67	474653
SOLDR	TRFR	311SM7605-H49	2744696
SLPON	TRFR	BURGESS	*2426330
SCREW	TRFR	BZ-2GW801	609181
SCREW	TRFR	BZ-RW10	252628
SCREW	TRFR	BZ-2RW453T	364397
SOLDR	TRFR	BZ-2RW157TYPEW	438014
SCREW	TRFR	BZ-2RW458T	197348
SCREW	TRFR	BZ-2RW84158T	621441

TYPE CC - SPDT

A	B	C	PART NO
SOLDR	TRFR	111SM2	1187461
SOLDR	TRFR	2LMW-E	480517
SLPON	TRFR	311SM6-H58	2512634
SCREW	TRFR	BA-2RL2	104092
SOLDR	TRFR	BZ-2R-T-W822	808371
SCREW	TRFR	KLB-3040	104092
SOLDR	TRFR	V3L-2133-D8	5184185

ABBREVIATIONS

SOLDR - SOLDER
SLPON - SLIP ON
TRFR - TRANSFER

TYPE BB

A	B	C	PART NO
SCREW	TRFR	BZ-2RW84141T	602980
SCREW	TRFR	BZ-2RW841512A2	350492
SCREW	TRFR	BZ-2RW84384-A2	238364
SOLDR	TRFR	BM-2RW843	646762
SOLDR	TRFR	CHERRY E-51	399040
SLPON	TRFR	L22	5471433
SCREW	TRFR	MXT-2E-Z-362B	238364
SCREW	TRFR	MXT-2E-Z-510A	767063
SCREW	TRFR	MXT-2-Z-516	838332
SOLDR	TRFR	V3L-121-D8	2304529
SOLDR	TRFR	V3L-1462-D8	2448260
SOLDR	TRFR	V3L-2161-D8	2750556
SCREW	TRFR	WHBT487-9	111222
SCREW	TRFR	X37385	364566

TYPE BB - SPST

SCREW	N/C	2HBM-5	526088
SCREW	N/O	YZ-2RW-843-A2	200693

TYPE BB - DPDT

SLPON	TRFR	2D26	719552

TYPE DD - SPDT

A	B	C	PART NO
SCREW	TRFR	22AC5	337378
SCREW	TRFR	23AC7	639288
SCREW	TRFR	3AC6	332550
SCREW	TRFR	3AC16 7334	195741
SCREW	TRFR	3AC49 7544	1815639
SCREW	TRFR	3AC16 6813	231658
SOLDR	TRFR	3AC59-D8 7509	2751203

* GOLD CONTACTS

NOTES

SUPPLIES

PART NO.	DESCRIPTION
	ABRASIVE
450319	CLOTH CROCUS
9900089	DURITE NO.60J
158955	PAPER,150A GRIT, 9X11 SHEET, TRIMITE
460107	PAPER,600A GRIT, 9X11 SHEET
	ADHESIVE
261096	CEMENT 3M-826 5 OZ TUBE
104774	CEMENT 3M EC 847
603910	CEMENT 3M EC 2262
814007	COMPOUND,HEAT SINK
628969	EASTMAN 910
615960	LOCKTITE PRIMER
216348	LOCKTITE SEALANT A OR D SETS UP HARD
605960	LOCKTITE SEALANT E SETS UP GUMMY
2175928	LOCKTITE SEALANT H
452396	EPOXY (HYSOL)
2749471	EPOXY,QUICK DRYING
450450	PERMATEX SEALANT
596763	SEALANT,THREAD
889524	SEALER,SILICONE
889524	SILICONE RUBBER,TUBE
	CLEANING MATERIAL
461599	ALCOHOL 1/4 PT
2200200	ALCOHOL ONE 6 OZ CONTAINER
2155966	ALCOHOL FIVE 6 OZ CONTAINERS
2200118	CLEANER.ANTI STATIC-WINDOW
450891	CLEANER COVER 8 OZ CAN
451529	CLEANER 1403 TYPE CHAIN, BOX OF 20
450528	CLEANER TYPE
450700	CLEANER COVER, STAIN REMOVER 4 OZ BOTTLE
453522	CLEANER W/PELLETS MAGNA-SEE 1/2 PT
2245006	CLEANER LENS 1 FLUID OZ
453511	CLEANER TRANSPORT AND TAPE DEVELOPER MEDIUM
450608	CLEANER IBM FLUID 6 OZ CAN
450701	CLEANER WAX EMULSION
352465	CLEANING KIT,TAPE
352466	CONTAINER,ONLY-KIT
352605	FELT PADS 1 CARTON
352606	PAD HOLDER
556945	BRUSH,2.5" NYLON
2108930	CLOTH,LINT FREE 9X9 PKG
2507587	PROBE .125"X 4.5" NYLON
2513590	BRUSH,TAPE (PATH CLEANING)
1018992	BRUSH,TAPE CLEANER
--------	Q TIPS,PURCHASE LOCALLY
2108930	CLOTH LINT FREE
619022	FREON,PINT (SPRAY)
2200032	FREON
2200041	GLOVES CLEANING 100 OFF
2162567	KIMWIPE SMALL
2123106	KIMWIPE LARGE
450608	SOLVENT 6 OZ
1280017	SOLVENT 1 GAL
2286522	SOLVENT CLEANING 2305
5246313	SOLVENT DRUM CLEANING 2301, 2303 1/3 PT
2162567	TISSUES,LINT FREE
	LACQUER
	SPRAY
454355	PAINT BLUE GRAY 510 WRINKLE
2108180	PAINT LIGHT GRAY 803 TEXTURED
2108181	PAINT DARK GRAY 804 TEXTURED

LAQUER (CONT.)

2108184	PAINT BLACK	805 TEXTURED
450936	PAINT BLUE GRAY	806 TEXTURED,PLASTIC
2108721	PAINT DEEP CHARCOAL	812 TEXTURED
634779	PAINT FORMICA WHITE	815 TEXTURED
603716	PAINT LIGHT GRAY	823 SMOOTH
603717	PAINT BLACK	825 SMOOTH
2108722	PAINT SKY BLUE	827 SMOOTH
603718	PAINT DEEP CHARCOAL	828 SMOOTH
2108723	PAINT SUN YELLOW	829 SMOOTH
2108724	PAINT FLAME RED	836 SMOOTH
634779	PAINT CLOUD WHITE	815 TEXTURED
CAN		
460071	PAINT LIGHT GRAY	31-1383 1/2 PT

LUBRICANT

5703493	GREASE SILICON 1 QT CAN
5354902	GREASE TP
265390	GREASE SILICON 1/4 OZ TUBE
450556	GREASE #17 1 LB
117397	GREASE #20 1 LB
260781	GREASE #22 1 LB
2360904	GREASE
1280441	GREASE #23 1/2 OZ SELECTRIC
1280442	GREASE #23 1 LB SELECTRIC
450633	GREASE #24 1 LB
435682	GREASE #70 1 LB LUBRI PLATE
2513252	LUBRICANT ANTI SEIZE
357830	LUBRICANT MOLYKOTE G 2 OZ TUBE
1280018	LUBRICANT MOLYKOTE U
451053	LUBRICANT CARD CONTACT 4 OZ CAN
251974	LUBRICANT DASHPOT DAMPING PT
450557	LUBRICANT DC44 LIGHT CONSISTENCY 2 OZ TUBE
461077	LUBRICANT DOOR EASE STICK
471519	LUBRICANT DRUM BEARING 1 LB
1244492	LUBRICANT,SOLENOID FLUID 2 OZ (NOT LUB PUPPOSE)
856381	OIL TRAIN FOR 1403
398298	OIL 4 OZ TRAIN (RUBBER)
5354901	OIL TP
2164584	OIL HYDR USE ON 1301, 1311, 2311 1 QT
2115252	OIL HYDR USE ON 1301, 1311, 2311 1 GAL
641140	OIL 2560 PRINT UNITS ONLY
533594	OIL FOR 7302 5 GAL
596338	OIL FOR 7302 55 GAL
2127714	OIL COMPRESSOR PT
2133355	OIL 300X PT
173488	OIL #2 1/4 OZ
477567	OIL #3 FOR ALL UNITS EXCEPT 2560 PRINT UNITS
638026	OIL HYDR PT 1403
450669	OIL #4 PT
450670	OIL #4 QT
460052	OIL #6 4 OZ CAN
451110	OIL #6 SPRAY 6 OZ CAN
223980	OIL #6 PT
450315	OIL #6 GAL
450668	OIL #9 PT
450676	OIL #9 QT
450316	OIL #9 GAL
1280443	OIL #10 SELECTRIC 4 OZ
1280444	OIL #10 SELECTRIC PT
450133	OIL #12 QT
450317	OIL #12 GAL
450238	OIL #15 PT
450052	OIL #15 QT

SOLDER AND FLUX

4055 FLUX SOLDERING PASTE
301344 SOLDER 60-40 DISPENSED AS REQ
2102025 SOLDER LEAD-TIN ALLOY, WW ROSIN .062 DIA
4053 SOLDER .128 ROSIN CORE 3 FT
452393 SOLDER ROSIN CORE 60-40 DISPENSE AS REQ
9900026 SOLDER,TUBE 63-37
5151439 SOLDERWICK

TAPE

596763 TAPE 1/2 IN THREAD SEAL
322386 TAPE MAGNETIC SPLICE 1/2 IN 66 FT
596763 TAPE TEFLON 1/2 IN WIDE
241663 TAPE 3/8 IN 5 YDS
114050 TAPE,FRICTION 3/4 IN. 1/2 LB.
450695 TAPE FRICTION 3/4 IN 45 FT
451546 TAPE MASKING PAPER 1 IN
303820 TAPE,PLASTIC ELECTRICAL 1/2 IN. 36 YDS
450692 TAPE PLASTIC ELECTRICAL 3/4 IN 20 FT
451545 TAPE PACKING FILAMENT

MISC

453572 BATTERY RECHARGABLE PAGEBOY
453559 BINDER,5"X7 1/4"HANDBOOK (FORM NO.S229-4124)
2539330 BINDER,FORMS 15"X11.5"
308882 COMPOUND VINYL
453660 COVERALLS,WHITE (SMALL)
453661 COVERALLS,WHITE (MEDIUM)
453662 COVERALLS,WHITE (LARGE)
450405 CREAM PROTECTIVE HAND
121021 ENVELOPE BLUEPRINT
453594 FOLDER,ALIGATOR-BROWN
FOLDER,IR (FORM #229-0036)
289318 GLYPTAL
9900507 HOLSTER PAGEBOY
450109 LABEL JAR
312489 NYLON STEM RETAINING COMBINATION KEYBOARD 5 FT
312489 NYLON STEM RETAINING NUMERICAL KEYBOARD 3 FT
460997 POWDER MAG-MIX,CAPSULE
2109014 RIBBON SPOOL AND 370 PRINT
289273 SMOCK SMALL
289274 SMOCK MEDIUM
289275 SMOCK LARGE
147440 LACING CORD

NOTES

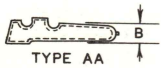
TEST DECK

PART NO.	DESCRIPTION
450727	FIELD 101
451103	FIELD 108
450683	FIELD 402-3
450680	FIELD 407
2108318	FIELD 609-A
2108366	FIELD 609-B
621431	MICR TEST DOCUMENTS # 20 1201-1203
621432	MICR TEST DOCUMENTS # 44 1201-1203
603044	SCOPE 88
602573	STANDARD 88
620378	STANDARD 188

TEST EQUIPMENT

PART NO.	DESCRIPTION
453514	METER CARRYING CASE
1749231	METER,CE
452806	METER FUSE 500 MA
452786	METER FUSE 62 MA WITH PRONGS
453614	METER FUSE 100 MA WITH CAP COVER
452793	METER TEST LEAD RED 6 FT
452794	METER TEST LEAD BLACK 6 FT
2124529	METER TEST LEAD BLACK 10 FT
2124530	METER TEST LEAD RED 10 FT
481919	METER RESISTOR 110 OHM 1%
481997	METER RESISTOR 1.27K 1%
453610	TIMER DYNAMIC ASSEMBLY

TERMINALS - WIRE PLUGGABLE



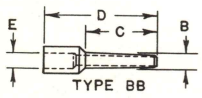
TYPE AA

LEGEND
A-AWG WIRE SIZE RANGE
B-LARGEST TAPER DIAMETER
C-METHOD OF ATTACHMENT
D-INSULATION/O.D.RANGE

A	B	C	D	PART NO
18 16	.094	CRIMP	067/094	450901
18 16	---	CRIMP	100/140	803125*
18 16	.074	CRIMP	080/120	518216
18 16	.074	CRIMP	080/120	360433
20 16	.105	CRIMP	100/120	257159
20 16	.104	CRIMP	090/115	518219

* BRASS

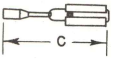
A	B	C	D	PART NO
20-16	.104	CRIMP	090/115	518219
20-18	.068	CRIMP	060/080	802570
24-20	.068	CRIMP	048/073	450904
24-20	.074	CRIMP	048/071	187243
24-20	.104	CRIMP	048/071	179007
24-22	.053	CRIMP	040/060	2122835
24-22	.066	CRIMP	040/060	600844



TYPE BB

A	B	C	D	E	PART NO
---	.072	.312	.562	.094	214460
---	.105	.375	.750	.140	123236
---	.106	.375	.594	.100	203435
20	.106	.375	.594	.093	106573

TERMINALS - WIRE PLUGGABLE (CONT.)



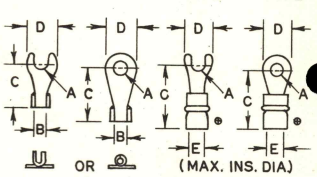
A	B	C	PART NO
---	045X145	.560	2501406
14 12	032X250	.670	5761553*
14 12	032X250	1.000	5214395
16 22	032X250	.775	642909*
16 14	020X187	.635	430801*
16 14	032X205	.675	342807
18 14	032X250	.798	523267
18 14	032X250	.755	1127037
18 16	032X250	.530	517913*
18 16	022X062	.684	591047
18 22	018X109	.625	5316996
20 16	017X145	.770	5353852
20 16	020X187	.605	2123393

* BRASS

A	B	C	PART NO
20 18	018X094	.641	5276375*
20 18	020X188	.605	430798
20 18	020X093	.500	2158688*
20 18	020X115	.641	236915*
22 18	017X120	.640	5316996
22 18	020X205	.725	5247187*
22 18	032X110	.705	731058*
22 18	032X205	.620	523181*
22 18	032X250	.750	5213274
22 18	039X187	.585	216325*
22 20	032X094	.490	196810
22 20	032X120	1.017	313390
22 20	032X125	.500	2154868
24 18	032X250	.750	430799
24 20		.622	228937
24 20	020X187	.650	5412817
24 20	031X062	.390	1166039
24 20	032X250	.530	2162590
24 22	016X115	.635	1142155*
24 20	020X115	.641	236916
24 20	017X156	.563	5412817

NOTES

TERMINALS-WIRE/SCREW CONNECTED NON-PLUGGABLE



TYPE AA

A	B	C	D	PART NO
.119	20-24	.440	.187	313361
.125	20-24	.500	.250	450902
.128	20-24	.448	.187	313362
.131	---	.438	.250	121384*
.145	18	.500	.250	255994
.171	14-16	.391	.294	91444C
.171	20-24	.455	.300	187460
.187	20	.469	.375	314454
.197	18	.609	.344	187410*

TYPE BB

A	B	C	D	PART NO
.119	20-24	.479	.187	124440*
.145	10-12	.484	.281	518005
.145	18	.500	.291	186961*
.171	14-16	.469	.344	103330
.171	18	.500	.297	2101657
.172	14-16	.609	.344	186959
.195	16-18	.562	.312	113750
.195	18-20	.562	.312	121
.197	18	.500	.297	257284*
.197	20-24	.615	.300	313289
.199	10-16	.720	.380	317400
.200	14	.812	.375	127792

TYPE CC

A	B	C	D	E	PART NO
.135	18-22	.625	.297	.100	92786
.145	14-16	.594	.297	.170	603152
.170	14-16	.594	.297	.170	368222C

TYPE DD

A	B	C	D	E	PART NO
.120	18-22	.546	.218	.125	804715
.140	22-30	.515	.203	.082	253453
.145	10-12	.797	.281	.250	253740
.145	14-16	.562	.250	.170	334910

TYPE DD

A	B	C	D	E	PART NO
.145	14-16	.797	.281	.230	2114849
.145	16-22	.594	.281	---	303545
.145	18-22	.641	.281	.140	334921
.171	10-12	.859	.375	.250	186968
.171	14-16	.672	.344	.150	360370
.171	18-22	.672	.312	.125	92784
.171	22-26	.625	.312	.082	5270661
.171	22-30	.610	.250	.082	806715
.197	4	1.562	.688	.436	335383
.197	8	1.406	.318	---	482389
.197	8	1.406	.594	.298	124439
.197	14-16	.859	.344	.230	186596
.197	14-16	.859	.344	---	359695
.197	18-22	.672	.312	.140	334932
.199	10-12	.859	.375	.250	2101326
.203	8	1.281	.438	.315	2102617
.265	4	1.359	.500	.443	839526
.265	2	1.703	.675	.632	515831
.266	8	1.344	.484	.298	335970
.266	10-12	1.047	.531	.250	2101327
.266	14-16	.828	.469	.150	322025
.266	18-22	.828	.469	.140	334768
.391	2	1.609	.719	.646	186969
.391	4	1.562	.679	.436	502522

* BRASS MATERIAL

NOTES

TOOLS

PART NO.	DESCRIPTION
*451135	ADAPTER SQUARE DRIVE RATCHET SCREWDRIVER
450660	ADJUSTER SPRING CONTACT
5728554	ALIGN TOOL 2260-5 IN.
2572882	ALIGN TOOL 2260-11 IN.
460028	ALIGN TOOL,CODE PLATE
453777	ALIGNER,GROUND RAIL
453868	ALIGNER PIN,CARD SIDE
452535	ALIGNER PIN,PROBE SIDE
5715009	APRON RUBBER
10407	BENDER CHUTE BLADE
450224	BENDER SELECTOR UNIT CONTACT 077
450364	BENDER CARD BRUSH
450567	BLADE BURNISHING
460996	BOTTLE 8 OZ
450465	BOX PLASTIC PARTS
454352	BOX PLASTIC PARTS 4 SECTIONS
451148	BOX SOCKET SET
3701	BRUSH CLEANING STRAIGHT
450732	BRUSH SASH
453536	BRUSH TYPE CLEANING
450719	BRUSH WIRE
148033	BULB 40 VOLT TEST LIGHT
186364	BULB 110 VOLT TEST LIGHT
453521	C CLIP REM/INST.
454328	CAN 1/4 PT
450713	CAN VALUE SPOUT OIL PLASTIC
961343	CARD SAW 129
453663	CASE,BRIEF DP
451134	CASE PLASTIC FOR RATCHET SCREWDRIVER
450467	CASE HEX KEY WRENCH
452368	CLAMP SCISSOR-CURVED
9900233	CLAMP SCISSOR-STRAIGHT
3339	CLEANER CHUTE BLADE
2200572	CLEANING TOOL,RIGID HEAD
453664	DELETE GUN B/M CONVERSION TO N/S-T&T 133
453120	BATTERY 2.8V DELETE GUN
453119	BATTERY 1.35V DELETE GUN
5353889	LAMP DELETE GUN
453130	LEAD ASSEM PROBE
451075	EXTENDER,SMS
452399	EXTENDER,SMS FLEXIBLE- 36 IN.
452554	EXTENDER,SLT,1 WIDE 5 INCH
452622	EXTENDER,SLT,JUMPER 4 INCH RED
452530	EXTENDER,SLT,90 DEGREE OFFSET 1 WIDE
2360390	EXTENDER,1 WIDE SLT-MST1-MST2-FET-TTL
2360393	EXTENDER,4 WIDE SLT-MST1-MST2-FET-TTL
453454	EXTENDER,MST-4
5853341	EXTENDER,MST-4, 90 DEGREE OFFSET
4011	FILE 6 IN MILL
4013	FILE 6 IN HALF ROUND
4014	FILE 6 IN ROUND
18974	FILE 6 IN PILLAR
9900375	FIXTURE,DYNAMIC HALF CYCLE,SEL.I/O
460813	FLASHLITE
1244470	FLASHLITE,MAGNETIC GRIP
9900585	FLASHLITE,PEN
452642	FLASHLITE,PEN-MAGNIFYING GLASS
165866	FLEXSTONE
450714	FOLDER CE CALL REPORT
640830	GAGE FEELER 2560
640782	.GAGE FEELER 0.001 (.0254 MM)FOR 640830
640783	.GAGE FEELER 0.002 (.0508 MM)FOR 640830
640784	.GAGE FEELER 0.003 (.0762 MM)FOR 640830
640785	.GAGE FEELER 0.004 (.1016 MM)FOR 640830
640786	.GAGE FEELER 0.005 (.1270 MM)FOR 640830
450745	GAGE SET FEELER
10480	GAGE GO-NO-GO
105668	GAGE SET .012-.018 FEELER

TOOLS (CONT.)

450459 GAGE GRAM
451914 .GAGE BLADE X1 GRAM FOR 450459
451916 .GAGE BLADE X2 GRAM FOR 450459
9900265 .GAGE BLADE X5 GRAM FOR 450459
451915 .GAGE BLADE X10 GRAM FOR 450459
451049 .GAGE BLADE X20 GRAM FOR 450459
2108075 .GAGE BLADE 65G.GRAM FOR 450459
158333 GAGE CARD HOPPER
454326 GAGE DUPLICATING BRUSH
450745 GAGE .001-.030
982911 GAGE .059-.061 INTERPRET-129
5135353 GAGE,PAPER TAPE 1017 & 1018
2200040 GAGE PHEUMATIC SYSTEM
5258784 GAGE PRESS TAPE DR. MANOMETER
453523 GAGE WIRE,SEL.I/O
453524 .GAGE WIRE .005 (.1270 MM) FOR 453523
453525 .GAGE WIRE .008 (.2032 MM)
453526 .GAGE WIRE .010 (.2540 MM)
453527 .GAGE WIRE .012 (.3048 MM)
453528 .GAGE WIRE .015 (.3810 MM)
453529 .GAGE WIRE .018 (.4572 MM)
453530 .GAGE WIRE .020 (.5080 MM)
453531 .GAGE WIRE .025 (.6350 MM)
453532 .GAGE WIRE .030 (.7620 MM)
9900240 GAGE WIRE FEELER .008 X 6.00
9900241 GAGE WIRE FEELER .012 X 6.00
2536581 GAGE FEELER 0.003 (.0762 MM)
2536582 GAGE FEELER 0.004 (.1016 MM)
2536583 GAGE FEELER 0.005 (.1270 MM)
2598179 GAGE FEELER 0.007 (.1778 MM)
2598040 GAGE FEELER 0.010 (.2540 MM)
2598041 GAGE FEELER 0.014 (.3556 MM)
2598042 GAGE FEELER 0.016 (.4064 MM)
2200006 GAGE FEELER-RAMKIT 0.002 (.0508)
2200007 GAGE FEELER-RAMKIT 0.005 (.1270)
2200057 GAGE FEELER-RAMKIT 0.007 (.1778)
450388 GLASS BRUSH ADJUSTING
5715011 GLOVES LEATHER
1864856 GREASE GUN LARGE
1749267 GREASE GUN SMALL
453186 EXTENSION-90DEGREE-158645
450155 HACKSAW ADJ.
450156 HACKSAW BLADE 24T
450157 HACKSAW BLADE 32T
450432 HACKSAW 6 IN.
450433 HACKSAW BLADE 6 IN.
453604 HALF CYCLE RED.FUNCTION,SEL.I/O
4050 HAMMER 8 OZ BALL PEEN
450571 HAMMER 24 OZ BALL PEEN
18975 HANDLE FILE
*451135 HANDLE RATCHET SCREWDRIVER
450069 HANDLE SOCKET
158765 HANDLE SWIVEL SOCKET
5442867 HARD-HAT W/LINER
5442868 REPLACEMENT LINER,HARD-HAT
450022 HOLDER ASM. SCRIBER
176088 .POINT SCRIBER
450451 .HOOK,SPRING,TYPE BAR
5715010 HOOD-W/SHIELD
450540 HOOK CROCHET
154230 HOOK SPRING
450451 HOOK SPRING TYPEBAR FOR TOOL HOLDER
9900105 SPRING-HOOK,SMALL,SEL.I/O
9900112 HOOVERMETER, SEL,I/O
1803054 INSERTION TOOL-6 PACK 135/145
55961 KEY BLUEPRINT BOX
450908 KEY MASTER
9900373 KEYTOP REMOVAL,K.P-SEL.I/O

FIRST AID KIT - P/N 453693

TOOLS (CONT.)

453518 LAMP MAGNETIC BASE
2728186 .LAMP,REPLACEMENT FOR 453518
1749231 METER,CE (TEST LEADS NOT INCLUDED)
450126 MIRROR DENTAL
450813 NOZZLE GREASE,SEL.I/O
450713 OILER,HAND
153778 OILER,PISTOL TYPE
9900317 PARTS CHEST PLASTIC
4029 PLIERS GAS
450494 PLIERS INSULATED LONG NOSE
460808 PLIERS,LONG REACH NEEDLE NOSE
4028 PLIERS DIAGONAL CUTTING 8309866
450504 PLIERS DUCK BILL
460807 PLIERS NEEDLE NOSE
7030308 PLIERS,RETAINING RING
452528 PLIERS SLT STRIPPER 30 WIRE
453198 PLIERS VISE GRIP
450458 PROBE WIRE CONTACT RELAY TEST
453101 PROBE,PENCIL
453601 PROBE,700 NANO SEC. SLD
5213426 . LAMP FOR 453601 PROBE
453652 PROBE,100 NANO SEC. SLD
2414890 . LAMP FOR 453652 PROBE
817971 PROBE,100 NANO SEC. SLD/MST
454612 . LAMP FOR 817971 PROBE
451030 PULLER CARD FOR SMS
450054 PULLER DOWEL
452397 PULLER FUSE AND REED RELAY
627953 PULLER, KEY TOP
461061 PULLER LAMP
454065 PULLER RELAY
4031 PUNCH CENTER
4032 PUNCH 10 IN PIN
4035 PUNCH LARGE PIN
450391 PUNCH MEDIUM PIN
450407 PUNCH MEDIUM SMALL PIN
450448 PUNCH SMALL PIN
171320 RETRIEVER
4047 ROD BRASS
450158 SCALE 6 IN
450495 SCREWDRIVER INSULATED 6 IN
153694 SCREWDRIVER 3 3/4 IN
153696 SCREWDRIVER 7 IN
153697 SCREWDRIVER 10 IN
153698 SCREWDRIVER 1 1/2 IN
460811 SCREWDRIVER FIBRE
*451135 SCREWDRIVER KIT RATCHET
*451135 SCREWDRIVER 1/4 IN FOR RATCHET SCREWDRIVER
*451135 SCREWDRIVER 3/8 IN FOR RATCHET SCREWDRIVER
178577 SCREWDRIVER 4 IN
450818 SCREWDRIVER 1/8"X 8" SEL.I/O
9900068 SCREWDRIVER 1/4"X 6"
460258 SCREWDRIVER KIT (STANDARD & PHILLIPS)
176088 SCRIBER POINT
9900459 SEL I/O TOOLS, B/M
153701 SOCKET 3/16 IN
153702 SOCKET 7/32 IN
153703 SOCKET 1/4 IN
153704 SOCKET 5/16 IN
450979 SOCKET 11/32 IN
153705 SOCKET 3/8 IN
158766 SOCKET 7/16 IN
153706 SOCKET 1/2 IN
450429 SOCKET 9/16 IN
454332 SOLDERING HANDLE AND CORD
450314 ELEMENT 37W (REGULAR)
9900016 TIP LARGE FOR 454332
454333 ELEMENT 37W (TIPLET)
454334 TIP STRAIGHT FOR 454333
454335 TIP ANGLE FOR 454333

TOOLS (CONT.)

461393	ELEMENT 23.5W (TIPLET)
452538	TIPLET,SLT
454334	TIPLET,STRAIGHT
454335	TIPLET,ANGLE
451111	TIPLET,SMS/PUSHOUT
453160	29/59 STARWHEEL TIMING TOOL
450619	STARTER SCREW
9900328	STARTER SCREW LARGE
450503	STICK EMERY POLISHING
450694	STRIPPER WIRE
452528	STRIPPER WIRE AWG 30
18463	STONE OIL
452368	SUTURE CLAMP-CURVED
9900233	SUTURE CLAMP-STRAIGHT
450640	SYRINGE OIL
450314	TIP SOLDERING
450566	TIP EXTENSION NOZZLE
460028	TOOL CODE PLATE ALIGNING
453691	TOOL CASE SMALL - BLUE
453692	TOOL CASE SMALL - OLIVE
453581	TOOLS COMPLETE FOR TOOL CASE 451547 SMALL
453582	TOOLS COMPLETE FOR TOOL CASE 451548 MEDIUM
453583	TOOLS COMPLETE FOR TOOL CASE 451549 LARGE
451550	TOOL BAG-ZIPPERED
605901	TOOL SETUP RATCHET READ 077
454325	TOOL TIMING 407-557
605904	TWEEZERS,JEWELER
2108014	TWEEZERS,SELF-CLOSING
450637	VIAL AND CAP PLASTIC
450638	VIAL AND CAP POLYSTYRENE
1145391	WHEEL,OP.INDEX,SEL.I/O
450468	WHEEL ABRASIVE 3/4 X 6 IN.OD 80 GRIT
450551	WHEEL/SHANK,ABRASIVE 1.50 X 1.062 OD
450552	WHEEL/SHANK,ABRASIVE .500 X .562 OD
450553	WHEEL/SHANK,ABRASIVE .500 X 1.062 OD
4045	WRENCH,ADJUSTABLE 6 IN.
454353	WRENCH,ADJUSTABLE 8 IN.
450177	WRENCH,ADJUSTABLE 10 IN.
2200031	WRENCH,ADJUSTABLE 12 IN.
21213	WRENCH SPECIAL KEY PUNCH SOCKET
152759	WRENCH SET BOX, END AND SOCKET
153690	WRENCH 3/16-7/32 END
153691	WRENCH 1/4-5/16 END
153692	WRENCH 3/8-7/16 END
153693	WRENCH 1/2-9/16 END
454329	WRENCH 11/32-5/16 END
173993	WRENCH 5/16-3/8 BOX
173994	WRENCH 7/16-1/2 BOX
173995	WRENCH 5/8-9/16 BOX
450889	WRENCH 1/4 BOX - 1/4 END
9900090	WRENCH,3/4"X 5/8",PINFEED PLATEN,SEL.I/O
9900208	WRENCH,3/16"X 7/32" SEL.I/O
9900266	WRENCH,1/4"X 5/32" SEL.I/O
9900005	WRENCH,1/4"X 5/16",SEL.I/O

* PART OF SCREWDRIVER KIT RATCHET P/N 451135

WIRE WRAP TOOLS

PART NO-BITS	WIRE	PART NO-SLEEVE
461011	20	461016
461010	22	461015
461235	24	461015
461063	26	461014
9263122	30	9328353
453090	30 BIT & SLEEVE (MATCHED PAIR)	

POWER WIRE-WRAP TOOL 451572
HAND WIRE-WRAP TOOL 452527
HAND WIRE-UNWRAP " 451573

TRANSISTORS

TYPE	PART NO	TYPE	PART NO	TYPE	PART NO	TYPE	PART NO
01T	8033483	095	369205	183	369691	297	2391238
10T	8033481	096	369110	185	369693	298	2391241
012	340709	097	369114	186	369694	299	2391242
013	344892	098	369126	187	369695	300	2391245
014	345763	099	369213	188	369696	351	2391272
015	526797	100	369134	189	2414972	352	1202054
016	526880	101	369177	190	369697	353	2391313
016T	2994101	102	369179	192	2414804	354	2391319
017	526882	103	369180	193	2414811	355	2391329
017T	2992397	104	369182	194	2414818	357	2391345
018	347592	105	369183	201	2391132	358	2391346
019	369000	106	369194	205	2391208	359	2391347
021	526796	107	369195	206	2391237	361	2391367
022	526898	108	369214	207	2391240	363	2391666
024	362090	110	369595	208	2391243	364	2391667
025	318322	113	477282	209	2391246	365	2391723
026	535441	114	369608	210	813228	366	2391766
028	518689	115	369614	211	813237	367	2391806
029	492451	118	369204	212	2391294	369	2391819
030	369009	119	369616	213	814008	370	2391836
031	549943	120	369628	214	814126	371	2391837
032	369100	122	369641	216	2391328	373	2391922
033	318324	123	369648	219	2391733	381	2396629
033L	369653	124	369656	220	2391765	386	2397009
034	535009	125	483012	238	2396968	551	2557736
035	492452	127	369659	251	2414894	553	5214674
036	207363	128	369662	252	2414863	554	5214680
037	208196	130	369667	254	2414878	556	2391346
038	208197	132	2414801	255	2414879	557	2391667
042	369108	132X	1766936	256	2414880	752	2511537
044	369119	133	2414803	257	2414892	826	5261889
046	369109	134	2414806	258	2414900	883	5704673
047	369113	134L	2391197	259	2414921	887	813235
049	209001	135	2414848	260	2414922	895	5213988
050	369205	136	2414877	261	2414923	896	2391055
051	345747	137	2414894	262	2414935	898	5214125
052	345748	138	2414918	263	2414944	901	2399104
057	345750	139	2414938	265	2414950	902	2399102
058	340696	140	2414945	266	2414952	903	2399116
063	344891	141	2414947	267	2390102	904	2399100
065	526798	143	2414971	268	2390103	905	2394278
066	526881	150	2391139	269	2390101	910	8025006
067	526883	151	369215	270	2390104	931	8011149
068	347593	152	369587	272	2414974	935	5103163
069	369088	153	369548	273	2414977	936	8025029
071	492450	154	369589	274	2391015	960	8025005
075	318323	160	369669	275	2391019	6138	360019
076	369626	161	369683	276	2391046	6711	5214339
077	369067	166	369596	277	2391056	6717	2511536
078	369068	167	369597	278	2391057	6718	2414943
079	369130	168	369602	279	2391059	6930	2391059
082	369101	169	369605	283	2391114	6943	2391358
083	318325	170	369609	284	2391117	7140	5153175
084	369390	171	369618	285	2391118	7318	5153149
086	369654	173	369624	290	2391156	F-1	2391164
087	369123	174	369625	291	2391170	F-2	2391312
088	369558	175	369632	292	2391171	F-3	2208532
089	369559	178	369686	293	2391184		
091	369561	179	369687	294	2391207	896 REPLACED	
092	369562	180	369688	295	2391224	BY 556	
093	369560	181	369689	296	2391236	898 REPLACED	
094	369081	182	369690			BY 557	

ADDITIONAL TRANSISTORS

TYPE	PART NO	TYPE	PART NO	TYPE	PART NO	TYPE	PART NO
01	345741	06	345745	023	526899	234	2396556
02	345742	012	340709	026	535441	377	2396468
04	345744	020	526795	229	2396627	380	2396627

NOTE: TYPE 13 CAN BE USED FOR 33 OR 25
TYPE 25 CANNOT BE USED FOR 33
TYPE 33 CAN BE USED FOR 25
TYPE 63 CAN BE USED FOR 83 OR 75
TYPE 75 CANNOT BE USED FOR 83
TYPE 83 CAN BE USED FOR 75

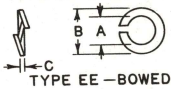
TUBES

PART NO	MFG.NO.	PART NO	MFG.NO.	PART NO	MFG.NO.
460267	2B23	98878	12AX7	98876	6202
300704	2D21	335054	12AY7	252551	6211
328318	2H20	512878	12B4A	252550	6320
512134	2X2A	512877	12BY7A	253134	6332
323931	3D22	320504	12H6	502149	6336
99550	5AU4	213502	12SN7 GT	252550	6350
323930	5R4G	192906	25L6 GT	252550	6463
301365	5U4G	512133	25T	288626	6525
512135	5W4	184087	25Z6	505253	6558
214926	5Y3GT	326735	65K5	303613	6687
169146	5Z4	68260	83	301364	6807
332588	6AC7	319130	85	2100844	6887
320501	6AH8	323929	807	2100844	6919
317785	6AL5	303613	1217	303613	7036
338260	6AL7	323935	1616	124720	7044
319208	6AS5	303613	1680	301362	CIK
301899	6AS7	304994	1684	301364	C6J
300706	6AQ5	303613	2032	304994	E92CC
321441	6AU6WA	512895	5642	213505	EL1C
30093	6BE6	323933	5651	178864	EL3C
97861	6BH6	317292	5687	302147	EL6B
326735	6BK5	505284	5691	321515	EL6C
319605	6BQ7A	505333	5693	301362	ELC1K
303613	683001	288626	5696	321507	ELC16J
319202	6CB6	338261	5725	332609	ELC3J
512880	6CL6	124140	5726	301364	ELC6J
206914	6H6	98878	5751	335140	GL813
304994	6J4001	322885	5763	178864	NL604
169144	6J5	93866	5823	321515	NL606
92754	6L6G	304994	5844	302147	NL635
197327	6SN7 GT	320503	5881	332609	NL710
206913	6SL7 GT	303613	5915A	301364	NL760
213501	6SK7	317261	5965	510025	OA2
206913	6SL7	335379	5998	172776	OA4G
512879	6U8	332609	6011	323928	OB2
169673	6V6 GT	509613	6012	155163	OC3 VR105
323934	6W4 GT	103407	6046	213503	OD3 VR150
502593	6W6	335054	6072	155163	VR105
322883	6X4	512456	6080WA	213506	VR150
322884	12AT7	321441	6136	304994	1216
512868	12AU6	460253	6146	317261	7062
320502	12AU7	334913	6197	317261	2024

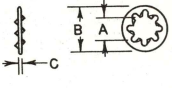
WASHERS

TYPE AA — PLAIN

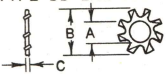
TYPE BB-SPLIT RING



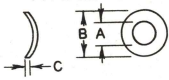
TYPE CC—INT. TOOTH



TYPE DD-EXT. TOOTH



TYPE EE—BOWED



TYPE AA

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.050	.015	.109	1165277	.143	.040	.266	1090049	.219	.062	.438	130435
.062	.015	.120	2173487	.145	.031	.281	1090199	.219	.062	.500	47242
.063	.015	.156	22031	.145	.040	.375	1090622	.219	.062	.750	237032
.087	.036	.127	1132103	.145	.062	.375	1074145	.250	.062	.625	150390
.089	.018	.156	45611	.156	.031	.312	1134843	.252	.031	.500	24090
.093	.020	.219	45624	.156	.035	.312	257986	.252	.031	.677	839388
.093	.050	.250	125231	.156	.062	.312	24327	.252	.062	.812	139050
.094	.031	.188	45610	.157	.040	.438	45677	.252	.062	1.000	45776
.094	.032	.188	366597	.166	.062	.625	110029	.255	.032	.406	45647B
.095	.025	.250	1124247	.166	.094	.625	228373	.255	.062	.406	45656
.107	.032	.218	101633	.167	.040	.375	1091388	.255	.062	.500	27760
.116	.025	.250	1132211	.170	.032	.375	22478	.257	.094	.750	140777
.116	.031	.187	1127741	.172	.031	.500	2903	.265	.031	.500	528251
.116	.062	.312	1124616	.173	.031	.312	24511	.265	.050	.562	3550
.120	.062	.312	1124777	.173	.062	.438	1090448	.281	.062	.625	120571
.125	.040	.312	1091414	.173	.062	.560	856516	.282	.031	1.000	1143985
.125	.060	.188	1098465	.188	.031	.344	1090058	.313	.062	.750	24091
.126	.040	.344	150109	.188	.049	.438	102691	.315	.062	.500	10109
.126	.069	.188	1105922	.188	.062	.562	336323	.330	.050	.625	161351
.127	.031	.344	1092017	.190	.040	.625	1071644	.344	.062	.688	13035
.127	.036	.210	1165439	.190	.046	.281	179444	.355	.040	.560	1159567
.128	.025	.250	1866	.191	.057	.438	20017	.375	.062	1.000	150640
.128	.031	.203	133903	.192	.031	.312	16673	.406	.062	.812	453
.128	.031	.312	20038	.192	.040	.438	1100688	.437	.042	.685	1078495
.128	.046	.250	171784	.192	.050	.562	1940	.468	.031	.750	151441
.128	.062	.234	133594	.193	.046	.438	139450	.500	.031	1.000	5344957
.130	.032	.250	263680	.193	.046	.750	120789	.503	.062	1.219	122842
.139	.091	.202	1141181	.196	.062	.625	444270	.516	.031	.875	106355
.140	.031	.500	1124461	.199	.062	.562	23141	.531	.095	1.062	130985
.140	.050	.375	1104286	.199	.125	.375	21994	.562	.059	.875	336441
.140	.090	.235	1159436	.203	.032	.438	45690				
.143	.032	.344	456528					B-BRASS			

TYPE BB

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.101	.212	.031	37066	.194	.337	.053	9092	.446	.784	.119	130359
.115	.212	.031	257984	.255	.493	.072	6935	.509	.877	.099	255650
.128	.225	.025	163899	.319	.591	.088	257983	.509	.879	.135	130987
.141	.253	.037	6364	.382	.688	.104	10309	.636	1.082	.126	90287
.168	.296	.046	1090873								

TYPE CC

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.102	.225	.015	1091111	.141	.295	.017	62031	.256	.478	.023	65756
.115	.270	.015	150209	.195	.381	.020	56121	.320	.610	.028	127499
.136	.280	.021	105047	.256	.408	.018	322723	.448	.789	.032	192924

WASHERS (CONT.)

TYPE DD

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.115	.260	.019	338169	.168	.353	.018	314010	.256	.510	.028	76574
.129	.280	.016	56313	.168	.381	.023	55901	.320	.610	.028	179966
.141	.320	.022	56722	.195	.410	.025	56079	.469	.750	.020	159373

TYPE EE

A	B	C	PART NO	A	B	C	PART NO	A	B	C	PART NO
.126	.281	.008	1103744	.261	.438	.012	1071723	.315	.500	.012	141828
.172	.344	.005	249268	.261	.440	.005	847952	.406	.750	.005	160960
.192	.406	.008	20042	.265	.688	.014	236437	.500	1.000	.031	5344957
.260	.500	.010	310773	.265	.688	.018	236624				

NOTES

WIRE INSULATION

-SPAGHETTI-

WIRE SIZE	COLOR	PART #
20	RED	512811
20	BLACK	512848
20	YELLOW	512849
18	BLACK	113819
18	RED	213719
17	BLACK	177285
13	BLACK	113820
12	BLACK	340166
11	BLACK	219664
10	BLACK	317476
8	BLACK	113821
6	BLACK	116875
4	BLACK	73430
1/2 INCH	BLACK	253570
5/8 INCH	BLACK	245541

ORDER QUANTITIES IN FEET

COMMONLY USED WIRE CHART

POLYVINYL PLASTIC COVERING

BULK STRANDED

COLOR	SIZE 14	SIZE 16	SIZE 18	SIZE 20	SIZE 22	SIZE 24
BLACK (BL)	322484	100550	347177	179625	347098	
BLACK				*347142		
BLUE (B)					347104	
BROWN (BR)			347017			
GREEN (GR)	351979	138043	347179	179627	347103	
ORANGE(O)	347060	347067	347072	179631	347101	
RED (R)	347059	143722	347178	179628	347100	
TRANSPARENT				4110178		
VIOLET(V)				*347083		
YELLOW(Y)	347061	347068	347073	179626	347102	216227
YELLOW				*442778	360260	
WHITE			347181			
Y/BL 2 WIRE						216229
W/BL TRACER					*347112	
W/O TRACER			559278			

NOTE: *-SEMI RIGID

ORDER QUANTITIES IN FEET

BULK SOLID TEFLON

COLOR	SIZE 20	SIZE 22	SIZE 24	SIZE 26	SIZE 30
BLACK (BL)	532069	532070	532032		811695
BLUE (B)		532071			811747
GRAY (G)		594520			
ORANGE(O)		532072			
RED (R)					811693
VIOLET(V)					811696
YELLOW(Y)			532031		811425
Y/BL 2-WIRE			532030		
W/ORANGE TRACER		5235044			
B/W TRACER					811748

ORDER QUANTITIES IN FEET

BULK SOLID

COLOR	SIZE 20	SIZE 22	SIZE 24	SIZE 26
AQUA (A)		347132		
BLACK (BL)	216240	303566	216284	595712
BLACK	216240			
BLUE (B)		347126	696575	
BROWN (BR)		347121		
GREEN (GR)		303570		
ORANGE(O)		303568		
PINK (P)		347131		
RED (R)		303567		
TAN (T)		347130		
VIOLET(V)		347127		
WHITE (W)		347129		
YELLOW(Y)		303569	216226	
W/R 2-WIRE		347136		
GRAY COAX				532029
BL/Y		595709		
Y/BL 2-WIRE			216228	

ORDER QUANTITIES IN FEET

ADDITIONAL WIRES

SIZE 20	STEEL BRAIDED SOLID WIRE PVC BL	P/N	317237
SIZE 20	BLACK-STRANDED/TINNED-POLVIN COVR	P/N	442780
SIZE 20	YELLOW-STRANDED POLYVINYL COVER	P/N	442778
SIZE 22	COPPER BRAIDED SOLID--WIRE PVC BL	P/N	323921
SIZE 22	W/B,TRACER-SOLID-POLYVINYL COVER	P/N	347139
SIZE 24	STEEL BRAIDED STRANDED FABRIC PVC	P/N	320099
SIZE 24	YELLOW,STRANDED-TEFLON	P/N	536707
SIZE 24	BL/Y,2 WIRE STRANDED-TEFLON	P/N	536706
SIZE 26	COPPER BRAIDED SOLID--WIRE PVC BL	P/N	320495
SIZE 26	STEEL BRAIDED SOLID--WIRE PVC BL	P/N	595712
SIZE 29	WHITE,SOLID-BRAIDED NYLON	P/N	595482
SIZE 29	WHITE,SOLID-BRAIDED NYLON	P/N	595520
SIZE 30	WHITE,STRANDED-BRAIDED NYLON	P/N	595521
SIZE 30	BLUE,SOLID-TEFLON (QTY 1-300 FT)	P/N	815906
SIZE 30	YELLOW,SOLID-TEFLON (QTY 1-300 FT)	P/N	815905

ORDER QUANTITIES IN FEET

SHRINK TUBING

SIZE BEFORE	AFTER	PART NO.
1/8"	3/64"	2155702
1/4"	3/32"	535983
5/16"	1/8"	535335
1/2"	3/16"	350839
3/4"	3/8"	5495386
3/4"	7/16"	631810

3/4" LONG SHRINK CAP THERMO 362522

PRE-CUT PRE-SKINNED YELLOW WIRE

LENGTH IN INCHES	SLT 30 AWG	SMS 24 AWG
4.0	815094	738830
4.5	815095	
5.0	815096	
5.5	815097	
6.0	815098	738831
6.5	815099	
7.0	815100	
795	815101	
8.0	815102	738832
8.5	815103	
9.0	815104	
10.0	815105	738833
11.0	815106	
12.0	815107	738834
13.0	815108	
14.0	815109	
15.0	815110	
16.0	815111	
17.0	815112	
24.0		738835
17.0	815113 BLUE/WHITE TRACER	

P/N 453106 - PLASTIC WIRE CADDY

NOTES

WOODRUFF,SQUARE & RECTANGULAR KEYS
LEGEND A-THICKNESS
B-HEIGHT
C-LENGTH

WOODRUFF KEY (HALF MOON)

A	B	C	PART NO	A	B	C	PART NO
.062	.135	.312	302812	.095	.194	.500	12015
.064	.109	.250	328037	.126	.172	.375	160912
.064	.172	.375	180383	.126	.194	.500	160989
.064	.194	.500	440	.126	.240	.625	133431
.094	.140	.312	5311604	.126	.303	.750	127495
.095	.375	.172	638938				

SQUARE KEY

A	B	C	PART NO	A	B	C	PART NO
.091	.091	.422	1016329	.126	.126	.438	206496
.094	.094	.750	612408	.158	.158	.437	7026492
.094	.094	1.110	2501378	.158	.158	.781	167194
.095	.095	.469	2594346	.158	.158	1.687	7027367
.095	.095	.699	2594347	.187	.187	.687	467638
.095	.095	1.110	2594444	.187	.187	1.031	2111253
.125	.125	.469	602497	.187	.187	1.359	25548
.125	.125	.470	1145636	.187	.187	1.375	424345
.125	.125	.688	608399	.187	.187	1.375	2057500
.125	.125	.812	602314	.188	.188	1.219	25448
.125	.125	1.000	14102	.188	.188	2.344	123324
.125	.125	1.187	1978840	.188	.188	2.813	25655
.125	.125	1.188	155785	.188	.188	3.880	852424
.125	.125	1.500	324702	.197	.197	1.656	7027376
.125	.125	1.656	55271	.236	.236	1.125	7027387
.125	.125	2.750	2591832	.310	.310	18.68	1099834

RECTANGULAR KEY

A	B	C	PART NO	A	B	C	PART NO
.042	.064	.688	216815	.094	.125	.350	2525711
.063	.078	.365	180364	.094	.140	.500	599974
.063	.078	.687	114467	.094	.187	.719	132369
.063	.090	.490	612901	.096	.125	.437	644054
.063	.094	.938	640494	.100	.125	1.300	856054
.064	.084	.370	612443	.157	.196	.375	7027377

NOTES

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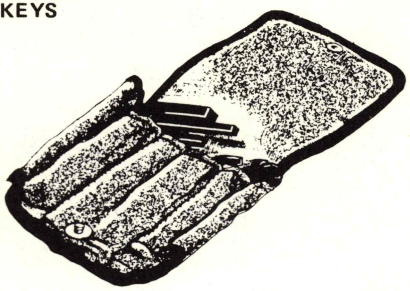
SOCKET KEYS



450 466 KEY SET, HEX AND FLUTED
CONSISTING OF
HEX DIMENSIONS

	A		B		C
2 108 315	.028	X	0.3	X	1.2 IN.
074 925	.050	X	0.6	X	2.9 IN.
077 009	.062	X	0.6	X	3.1 IN.
450 372	.077	X	0.7	X	3.3 IN.
450 373	.093	X	0.8	X	3.6 IN.
2 108 490	.108	X	0.8	X	2.2 IN.
116 574	.125	X	0.9	X	3.9 IN.
451 553	.140	X	1.0	X	2.5 IN.
007 231	.155	X	1.0	X	4.4 IN.
178 397	.187	X	1.1	X	2.9 IN.
450 038	.218	X	1.2	X	3.2 IN.
450 453	.250	X	1.3	X	3.5 IN.
450 454	.312	X	1.5	X	4.0 IN.

450 467 CASE CANVAS

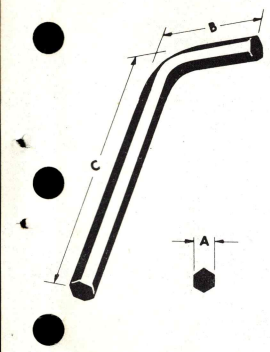
6 FLUTE

	A		B		C
9 900 216	.047	X	.62	X	4.0 IN.
450 814	.057	X	.50	X	3.0 IN.
451 552	.070	X	.66	X	3.1 IN.
450 042	.094	X	.70	X	3.2 IN.
450 043	.110	X	.80	X	3.6 IN.
451 551	.133	X	.90	X	2.3 IN.
450 050	.143	X	.90	X	2.4 IN.
452 395	.168	X	1.00	X	4.1 IN.

4 FLUTE

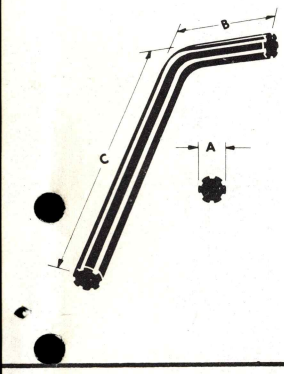
	A		B		C
165 584	.067	X	.50	X	3.4 IN.
450 815	.076	X	.66	X	3.1 IN.

SOCKET KEY, HEX
DIMENSIONS



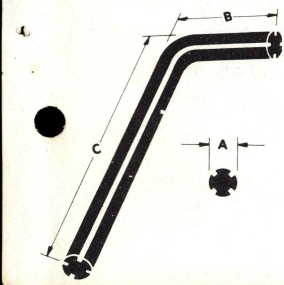
P/N	A	B	C	
2 108 315	.028	X .3	X 1.2	IN.*
452 220	.035	X .3	X 1.2	IN.
74 925	.050	X .6	X 2.9	IN.*
9 900 062	.050	X .6	X 4.0	IN.
460 314	.050	X 1.7	X 4.9	IN.
77 009	.062	X .6	X 3.1	IN.*
460 313	.062	X 1.7	X 4.9	IN.
450 372	.077	X .7	X 3.3	IN.*
460 312	.077	X 1.7	X 4.9	IN.
450 373	.093	X .8	X 3.6	IN.*
2 108 490	.108	X .8	X 2.2	IN.*
116 574	.125	X .9	X 3.9	IN.*
451 553	.140	X 1.0	X 2.5	IN.*
007 231	.155	X 1.0	X 4.4	IN.*
178 397	.187	X 1.1	X 2.9	IN.*
450 038	.218	X 1.2	X 3.2	IN.*
450 453	.250	X 1.3	X 3.5	IN.*
450 454	.312	X 1.5	X 4.0	IN.*
450 455	.375	X 1.3	X 6.7	IN.
2 108 467	.500	X 2.0	X 8.6	IN.

SOCKET KEY, 6 FLUTE
DIMENSIONS



	A	B	C	
9 900 216	.047	X .6	X 4.0	IN.*
450 814	.057	X .5	X 3.0	IN.*
9 900 028	.057	X .44	X 4.00	IN.
2 108 306	.070	X .6	X 1.8	IN.
451 552	.070	X .6	X 3.1	IN.*
9 900 200	.070	X .62	X 4.00	IN.
2 108 626	.094	X .3	X 3.2	IN.
450 042	.094	X .7	X 3.2	IN.*
9 900 102	.094	X 1.00	X 4.00	IN.
450 043	.110	X .8	X 3.6	IN.*
451 551	.133	X .9	X 2.3	IN.*
9 900 255	1.33	X .70	X 3.56	IN.
450 050	.143	X .9	X 2.4	IN.*
452 395	.168	X 1.0	X 4.1	IN.*
9 900 103	1.83	X 1.00	X 4.00	IN.

SOCKET KEY, 4 FLUTE
DIMENSIONS



	A	B	C	
2 108 498	.047	X .3	X 1.2	IN.
9 900 173	.047	X .4	X 3.0	IN.
165 584	.067	X .5	X 3.4	IN.*
450 815	.076	X .6	X 3.1	IN.*
112 646	.090	X .5	X 3.2	IN.
123 789	.109	X .6	X 2.0	IN.
152 857	.131	X .7	X 3.7	IN.

* Standard Key set.

SI-METRIC SYSTEM-SI

LENGTH

The metre is the base unit for length. It is defined as a certain number of wavelengths of the light given off by the krypton-86 atom.

The symbol for metre is m.

Commonly used multiples and submultiples:

km kilometre = 1 000 metres
mm millimetre= 0.001 (1 thousandth)metre

Symbol	When You Know:	You Can Find:	Symbol	if You Multiply By:
in	inches	millimetres	mm	25.4*
yd	yards	metres	m	0.914 4*
mi	miles	kilometres	km	1.609 344*
mm	millimetres	inches	in	0.039 37
m	metres	yards	yd	1.093 61
km	kilometres	miles	mi	0.621 37

AREA

in^2	square inches	square metres	m^2	0.000 65
ft^2	square feet	square metres	m^2	0.092 90

MASS

The base unit for mass (not weight or force) is the kilogram. It is equal to the mass of the standard kilogram located at the International Bureau of Weights and Measures.

The kilogram is the only SI unit using a prefixed base unit.

The kilogram is often used for weight. However, in a strict usage, weight is derived from mass at a particular gravitational force.

Commonly used multiples and submultiples:

g gram = 1
mg milligram= 0.001 (1 thousandth))gram

The symbol for kilogram is kg.

Symbol	When You Know	You Can Find	Symbol	If You Multiply By:
oz	ounces	grams	g	28.349 52
lb	pounds	kilograms	kg	0.453 59
sh tn	short ton(2000 lb)	tonnes(1000kg)#	t	0.907 18
g	grams	ounces	oz	0.035 27
kg	kilograms	pounds	lb	2.204 62
t	tonnes(1000 kg)#	short ton(2000 lb)	sh tn	1.102 31

LIQUID VOLUME

The symbol for litre is l

Symbol	When You Know	You Can Find	Symbol	If You Multiply By:
oz	ounces (US)	millilitres	ml	29.573 53
pt	pints (US)	litres#	l	0.473 59
qt	quarts (US)	litres#	l	0.946 35
gal	gallons (US)	litres	l	3.785 41
gal	gallons (Imperial)	cubic metres	m^3	0.004 55
ml	millilitres	ounces (US)	oz	0.033 81
l	litres#(1 dm^3)	pints	pt	2.113 38
l	litres#(1 dm^3)	quarts	qt	1.056 69
l	litres#(1 dm^3)	gallons	gal	0.264 17

TEMPERATURE

Symbol	When You Know	You Can Find	Symbol	If You Multiply By:
^oF	degrees Fahrenheit	degrees Celsius	^oC	0.555 55 (after subtracting 32)
^oC	degrees Celsius	degrees Fahrenheit	^oF	1.8 (then add 32)
^oC	degrees Celsius	kelvins	K	add 273.15

Common term not part of SI

* Exact

FIRST AID EMERGENCY CARE

Bleeding - Breathing - Broken Bones - Burns

The four "B's" is a simplified, easy to remember, method of handling most emergency first aid needs:

I. BLEEDING

Minor wounds or lacerations - cleanse with soap and water; apply antiseptic and a dry, sterile dressing.

Puncture wounds - cleanse with hydrogen peroxide and if in doubt, refer for possible tetanus booster.

Foreign bodies - do not try to remove embedded foreign bodies. Refer for medical attention.

Severe laceration and hemorrhage - remove obvious foreign matters such as glass, etc. Apply direct pressure firmly with sterile gauze or the cleanest cloth available. Do not remove this dressing when saturated; apply more dressing on top.

Remember to:

a. Control bleeding
b. Protect from infection
c. Treat for shock

II. BREATHING

Mouth-to-mouth resuscitation - be sure to clear airway, lift the neck and tilt the head, pinch nostrils, blow until you see the chest rise, allow the chest to empty and repeat 16 times per minute. Get medical help and do not stop. This procedure is used in cases of near drowning, gas poisoning, electric shock, heart failure and suffocation.

Fainting - have patient lie down, give adequate fresh air, loosen clothing for an adequate airway, smelling salts may be used.

III. BROKEN BONES AND FRACTURES

Suspect a fracture when there is pain and swelling, tenderness and/or deformity of the limb. Immobilize part, apply emergency splint if possible. Treat for shock.

Do not walk on a sprained ankle.

IV. BURNS

First degree, skin is red - immerse in cold water quickly, cover with a dry, sterile dressing.

Second degree, blister develops - immerse in cold or iced water, blot dry, apply sterile dressing.

Third degree, skin tissue destroyed or damaged - cover with a

sterile dressing, treat for shock, obtain medical help.

Chemical burns - irrigate with large quantities of water at least 20 minutes. NOTE: Do not break blisters or apply ointment.

V. SHOCK

In any of the above four "B's" one must always be concerned about a potential shock reaction. Shock symptoms are a pale, moist skin and a rapid pulse, frequently accompanied by nausea.

1. Keep patient lying down
2. Make sure they are warm and dry

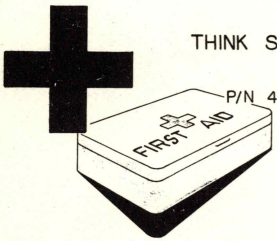
VI. MISCELLANEOUS EMERGENCIES

1. Seizures - protect the patient from injuring himself, move furniture away, use some object to keep the patient from biting his tongue. After seizure keep patient lying down, turn him to the side but do not restrain. Loosen clothing, when he regains consciousness allow him to rest. Patient will be tired and confused and will need sleep. Call his personal physician.

2. Electric shock - remove source of electricity without risk to your own life. In absence of breathing start mouth-to-mouth resuscitation. Call for help.

3. Eye injuries - do not try to remove foreign bodies other than by simple irrigation. Chemical solutions in the eye - irrigate for 20 minutes and obtain medical assistance.

4. Complaints of chest pains or shortness of breath - have the person lie down and keep warm and quiet. Call an ambulance.



THINK SAFETY...WORK SAFELY

P/N 453693

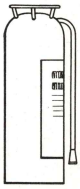
HOW TO FIGHT FIRES
with each type extinguisher:

CLASS A FIRES...
ORDINARY COMBUSTIBLES

CLASS B FIRES...
FLAMMABLE LIQUIDS

CLASS C FIRES...
ELECTRICAL EQUIPMENT

CLASS D FIRES...
COMBUSTIBLE METALS



Direct WATER stream at base of fire (not at smoke). Use side-to side motion to wet all burning surface. Break apart and soak deep-seated fires. **Warning**—Do **NOT** use water on flammable liquid fires (splashes) or electrical fires (shock).

for Ordinary Combustible Fires

Use FOAM on flammable liquid fires. To avoid splashing, curve stream upward so foam falls lightly, or direct stream at floor so foam spreads. For fires in containers: Direct stream at back wall so foam flows forward. Work all sides for best results.

for Flammable Liquid Fires

CARBON DIOXIDE has limited range. So get close. For flammable liquid fires, begin at near edge. Sweep slowly, side-to-side. Continue discharge to prevent reflash.

for Electrical Equipment Fires

Special DRY POWDER EXTINGUISHANTS are used for designated metals — may be applied by scoop, shovel or extinguisher.

Use MULTI-PURPOSE DRY CHEMICAL the same as regular dry chemical on Class B or C fires. On Class A fires—coat all exposed surfaces. Stand by in case of rekindling (or wet down).

A –
B –
C –

Soldier - 452393
Tape - 450692
Bat. - 902118
flashlite - 460813

EPO FEM. CONN. 5351177

NOTES